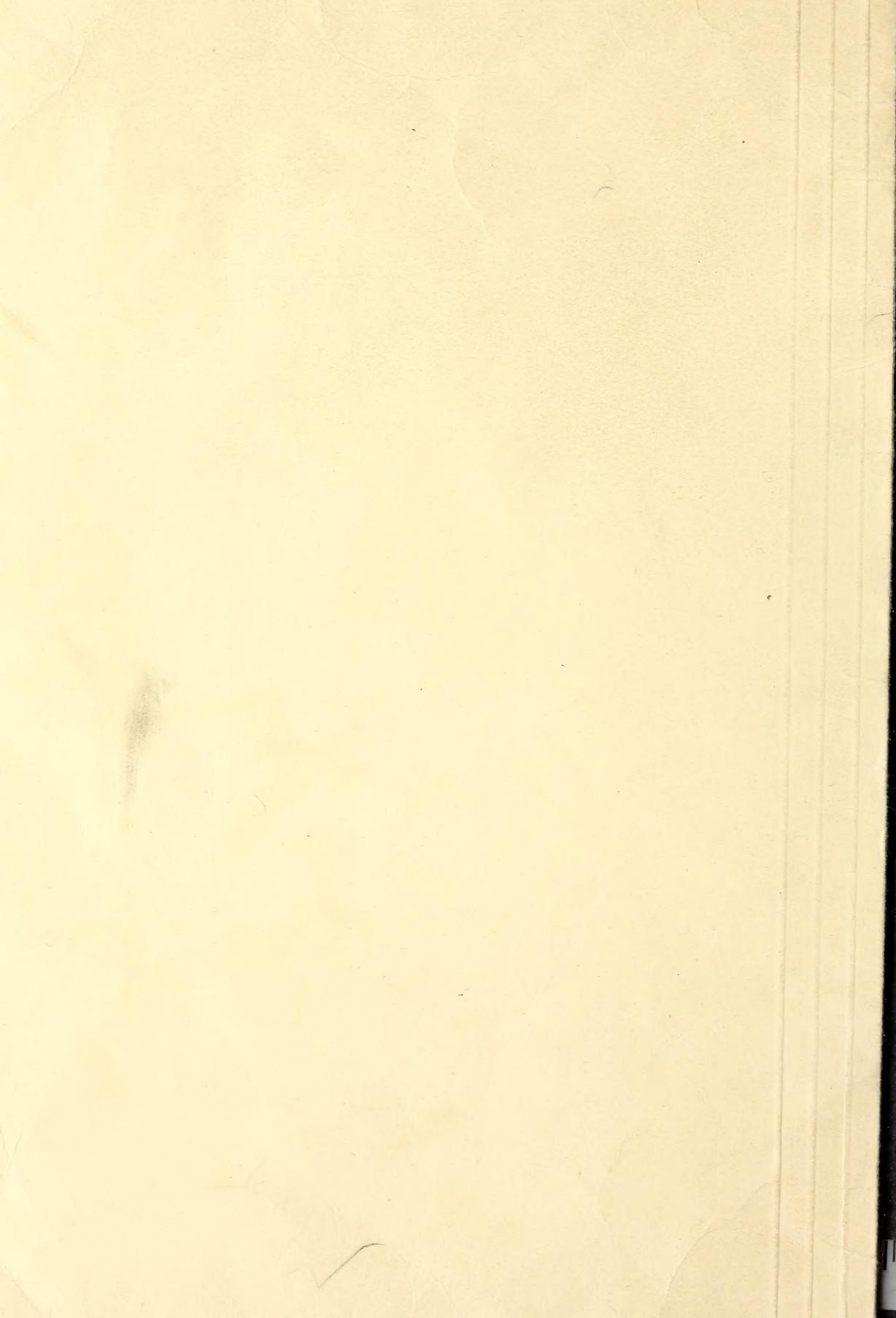


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Do not assume content reflects current scientific knowledge, policies, or practices.



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W.W. BARNARD & CO.

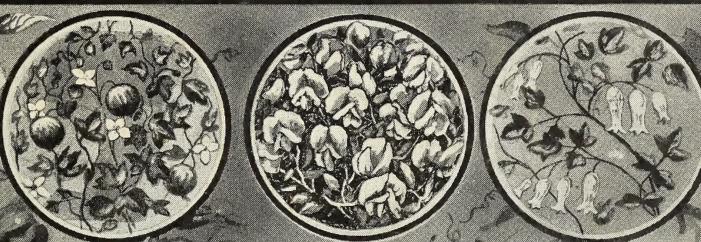
161-163
KINZIE ST.
NEAR
CLARK.

GARDEN
FLOWERS
AND FIELD

SEEDS - 1902

CHICAGO

LITERATURE
OF AGRICULTURE,
Washington, D. C.



MANZ
CHICAGO

The Farmer's Vegetable Garden.

An extract from Bulletin No. 61, University of Illinois, Agricultural Experiment Station, Urbana, Ill. Written by JOHN W. LLOYD, Instructor in Horticulture.

THE FARMER'S GARDEN will differ from that of the man who lives in town, in its size, arrangement, and method of cultivation. The city man will usually have to confine his garden to a small area, plant it in a manner to economize space, and work it with hand tools. The farmer, having plenty of land, should plant his vegetables in long rows to admit of cultivation with a horse.

The Horticultural department of the University of Illinois planted a "farmer's garden" on one-half acre of black prairie soil. Its arrangement is shown in the accompanying diagram. With the exception of rows 2 to 6 the entire garden was planted to admit of horse cultivation.

PURCHASE OF SEEDS.

Seeds of various kinds, according to the following table, and of different degrees of earliness, were procured at a total cost of \$5.45. Seed potatoes were not purchased, a supply being available.

NAMES OF SEEDS, ETC., INCLUDED IN PURCHASE.

100 Asparagus roots, 1 year old.	1 pt. Lettuce, Improved Hanson.
1 pt. Rhubarb seed, Victoria.	1 oz. Muskmelon, Emerald Gem.
30 Horse-Radish sets.	1 oz. Muskmelon, Champion Mark't.
1 pt. Onion sets, Egypti'n perennial.	1 oz. Watermelon, Cole's Early.
1 qt. Onion sets, Yellow Bottom.	1 oz. Watermelon, McIver's Sugar.
1 pt. Beans, Stringless Green Pod.	1 oz. Onion, Australian Brown.
1 pt. Beans, Saddleback Wax.	1 oz. Onion, Extra Early Flat Red.
1 pt. Beans, Henderson's Bush Lima.	1 oz. Parsnip, Improved Guernsey.
1 oz. Beets, Crosby's Egyptian.	1 pt. Parsley, Champion.
1 oz. Beets, Long Smooth Blood.	1 qt. Peas, Nott's Excelsior.
1 pt. Cabbage, Jersey Wakefield.	1 qt. Peas, Hosford's Market Garden.
1 pt. Cabbage, Allhead Early.	1 qt. Peas, Improved Stratagem.
1 pt. Cabbage, Autumn King.	1 pt. Pepper, Ruby King.
1 pt. Cauliflower, Snowball.	1 oz. Radish, Brightest Long Scarlet.
1 pt. Carrot, Early Scarlet Horn.	1 oz. Radish, Earliest White.
1 pt. Carrot, Improved Danvers.	1 oz. Radish, Chartier.
1 pt. Celery, Giant Pascal.	1 oz. Radish, White Chinese.
1 pt. Cress, Curled Garden.	1 oz. Spinach, Long Standing.
½ pt. Sweet Corn, Mammoth Corn.	1 pt. Salsify, Sandwich Island.
½ pt. Sweet Corn, Chicago Market.	1 pt. Squash, Summer Crookneck.
½ pt. Sweet Corn, Stowell's Everg'n.	2 oz. Squash, Warted Hubbard.
½ pt. Sweet Corn, Country G'tlem'n.	1 pt. Tomato, Stone.
1 oz. Cucumber, Early Evergreen.	1 oz. Turnip, Purple Top Strap Leaf.

Cost of Labor to Care for Half an Acre.

To prepare and care for the half acre required 27½ hours work with team; 11½ hours with one horse, and 12½ hours of hand labor. Estimated total cost of labor (at wages current in the vicinity) \$26.11.

PRODUCT OF "HALF-ACRE GARDEN."

Radishes gave the first returns, May 12th., Celery the last, November 5th. Summarized, the entire product is as follows:—

Radishes, 60 doz.; a full supply of Cress; Green Onions, 14 doz.; Ripe Onions, 2 bu.; Lettuce, 12 baskets;* Spinach, 9½ baskets; Beet Greens, 2 baskets; Early Beets, 14 doz.; Late Beets, 4 bu.; Early Potatoes, 8½ bu.; String Beans, early, 8 pecks, late, 3½ pecks; Peas, 23 pecks; Cabbage, early and late, 139 heads; Carrots, early, 20 doz., late, 2 bu.; Sweet Corn, 72 doz.; Tomatoes, 7½ bu.; Lima Beans, (same plants produced two crops), 16 pecks; Peppers, 6 pecks; Parsley, ample supply; Squashes, 44; Cucumbers, 797; Muskmelons, 928 lbs.; Watermelons, 1,408 lbs.; Turnips, ½ bu.; Parsnips, 2 bu.; Salsify, 1¼ bu.; Winter Radishes, 2 bu.

*The basket was a 10-lb. grape basket crowded full.

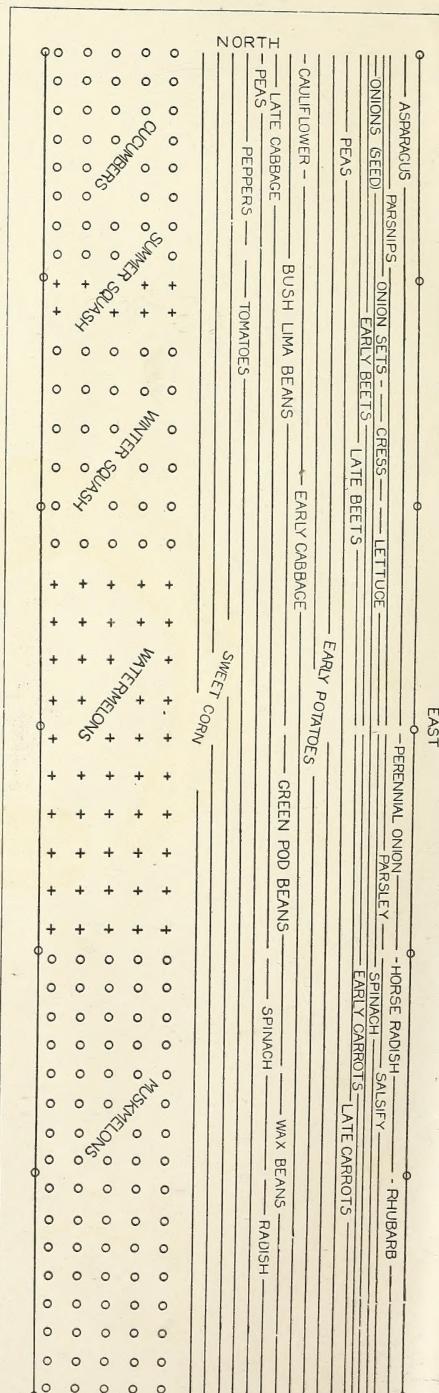
DOES IT PAY? If nothing is charged for the use of the land, nor for the manure, the total cost of the half-acre garden was: Seeds, \$5.45; insecticides, 50c; labor, \$26.11; total, \$32.06.

In return for this there was provided a continuous supply of fresh vegetables throughout the growing season, with enough others to can, dry, and pickle, besides those stored for winter use. Their value at retail was \$83.84, leaving a balance of \$51.78 in favor of the garden.

What other half acre on the farm would pay as well?

Our Special Offer. The entire list of Seeds and Roots necessary to plant the half-acre garden (shown in diagram) will be supplied by us to any post office in the United States, postpaid, for \$4.75. The same collection for \$4.00, **not** prepaid.

Send order to W. W. Barnard & Co., Chicago.



Order Sheet to W. W. BARNARD & CO.

POSTPAID.

POSTPAID. At prices quoted we pay the postage on all VEGETABLE SEEDS by the packet, ounce, quarter pound, pound, pint and quart and all FLOWER SEEDS. If Vegetable Seeds by the pound, pint or quart are ordered sent by express or freight, 10 cents per pound, 15 cents per quart on Peas and Beans and 10 cents per quart on Corn may be deducted. We also pay the postage on Bulbs and Plants except where noted.

PACKET AND OZ. SEED DISCOUNTS.

Purchasers may make selections of seeds in *Packets and Ounces* at these discounts:

For 25 cents Seeds in packets and oz. to the amount of **30c.**

For 50 cents seeds in packets and oz. to the amount of 65c.

For \$1.00 select seeds in pkts. and oz. amounting to \$1.30.
For \$2.00 select seeds in pkts. and oz. amounting to \$2.70.

For 2.00 select seeds in pkts. and oz. amounting to 2.70.
For 3.00 select seeds in pkts. and oz. amounting to 4.00.

For 3.00 select seeds in pkts. and oz. amounting to 4.00.

ON SEEDS IN BULK.

From Catalogue Prices by the $\frac{1}{4}$ pound, pound, peck or bushel, when cash is sent with order, purchaser may deduct 5 per cent. on an order from \$3.00 to \$5.00, and 10 per cent. on an order from \$5.00 to \$10.00. This discount refers to **SEEDS** quoted in catalogue by **weight or measure** (except in the division of **FARM SEEDS**, pages 49-56) and not to **Potatoes or Bulbs**, nor to seeds in packets and ounces.

Half pounds and over are sold at *pound rates*, **pecks** and over at *bushel rates*, unless otherwise specified.

Please order *Flower Seeds by number.* *Vegetable Seeds by name.*

Extra Order Sheets furnished on application.

Your Name.....

How to Forward Money Safely.—See directions in Catalogue.

Post-Office

Amount Enclosed, \$.

County _____ State _____

State if sent by P. O. Order,
Express Order, Draft,
Postal Note, Etc.

**Express or
Freight Office** { State on this line whether wanted
sent by Mail, Express or Freight.

Date : 1902

QUANTITY.	NAMES OF SEEDS OR PLANTS WANTED.	PRICE.
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We shall esteem it a great favor if you will give us in the spaces below the NAMES AND ADDRESSES of any Neighbors and Friends among your acquaintances. We wish to send them OUR SEED CATALOGUE.

FREE PREMIUMS

999 FOR OUR PATRONS 999

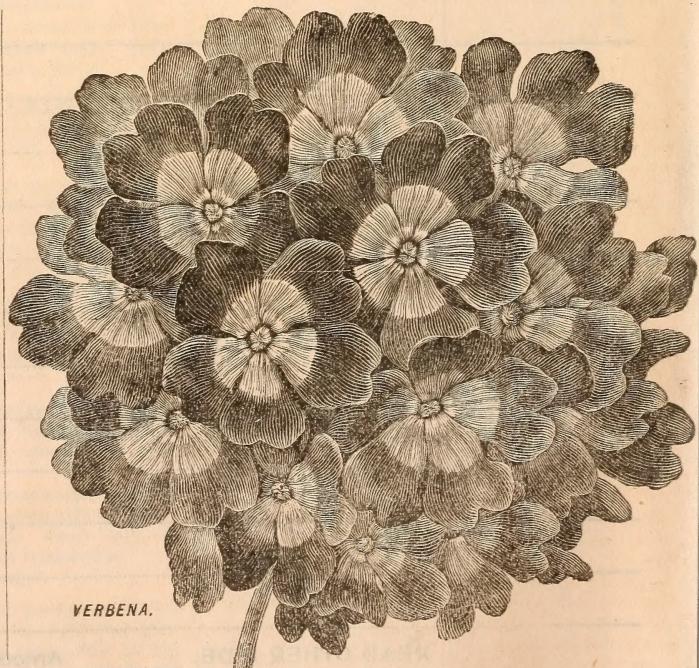
GOOD UNTIL JULY 1, 1902.

WITH every order for Flower or Vegetable Seeds we propose to give one or more packets absolutely free. Senders of an order of 25c may select **any one** of the three premiums, with 50c choose **two** premiums. A \$1 order will entitle you to all three.

Aster. Among the most beautiful flowers of autumn. In bloom when nearly all other flowers have passed away. Many varieties and colors in mixture.

Cosmos. This plant, loaded with daisy-like blooms from midsummer until cut down by frost, is much admired. Various strains and several colors included in this packet.

Verbena. Everybody knows this handsome flower. In this mixture are seeds of several varieties not included in our regular mixture.



1902.

Annual Catalogue and

1902

Descriptive Price List of Seeds, Etc.

W. W. BARNARD & CO., Seedsmen 161-3 Kinzie St. CHICAGO.

THIS IS THE TIME of year when people everywhere are confronted with the important task of deciding what kinds and from whom the seeds for the coming season are to be purchased. In this they are not infrequently influenced by gaudily covered catalogues stuffed with catchy talk, exaggerated descriptions and illustrations, guessing contests, and apparent low prices. Often they do not sufficiently consider what will be the product, and fail to remember that *good seeds* cannot be sold cheaply. Low prices are suggestive of old or depreciated stock, both in vitality and value.

Primarily, seed catalogues were price lists only; as now constructed, many are excellent text-books, covering the entire field of gardening operations in all its branches. The following pages have been compiled with a view of assisting the planter to select those varieties most suitable to his requirements and locality.

Thirteen years ago, in the catalogue which announced our succession to the seed business of HIRAM SIBLEY & CO., we stated our intention to give *truthful descriptions*, and offer at *fair prices* the various articles of which our stock is composed; at the same time we emphasized our determination to deal in goods of HIGHEST QUALITY only. Our platform is the same to-day as then.

YOU cannot afford to take a risk on prosperity by buying other than first-class, reliable seeds. Those we offer to you in this book possess all the merits claimed for them. Our illustrations are not deceptive; many are made from photographs of specimens.

Short Crops. The extreme drought which prevailed over a large section of the country last summer resulted in greatly decreased production of many crops, notably Corn, Peas, Potatoes, and others. By reason thereof the seemingly high prices of numerous seed stocks are accounted for.

To the thousands who in the past have assisted in the upbuilding of our business we return grateful thanks. *New patrons are always welcomed.* If convenient to make your purchases at our counters, do so. Otherwise send us your order by mail. *We want your trade*, whether for a single packet, a hundred-weight, or a ton of seeds. Write to us for any information you require in our line. We will endeavor to respond to your questions.

WHILE we exercise great care to have all Seeds, Bulbs, and Plants pure and reliable, we give no warranty, express or implied, as to description, quality, and productiveness, or any other matter, of any Seeds, Plants, and Bulbs we send out, and we will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.—W. W. BARNARD & CO.

Shopping by Mail • •

IS BOTH PLEASANT AND PROFITABLE.

YOU can select your requirements in your own home, mail the order to us with the price given in this catalogue, and in a few days the seeds, etc., will be delivered, postpaid, to your Post Office—often to your door.

The postal laws permit the mailing of any quantity, provided no package exceeds four pounds in weight. Thus 40 lbs. can be sent in ten packages.

Seeds delivered Postpaid

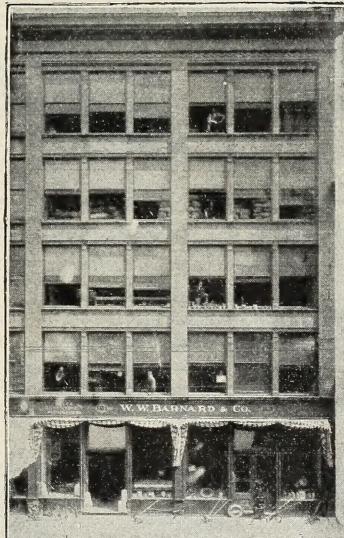
without extra charge. • •

We deliver all Vegetable and Flower Seeds, Bulbs, and Plants (except such as from their size or otherwise are unmailable and so stated) postage paid.

We give a liberal discount on Seeds purchased by pkts. and ozs. FREE PREMIUMS to purchasers. See order sheet.

We guarantee that all goods shall reach the purchaser in good order.

Our Mail Department, taken in connection with our guarantee, enables customers thousands of miles away to purchase their supplies by mail with assurance of as good service as if waited on at the counters of our store.



* * WE OCCUPY * *

THE WHOLE DOUBLE STORE

shown in above photograph. The entire floor space carries something that in some way is connected with gardening or farming.

No Order Is too Small to Receive Careful Attention.

A Few Suggestions. • •

ORDER EARLY. Please order soon after you receive this Catalogue, then you will have your seeds at hand for planting when you want them; besides if you want heavy seeds in large quantities, they can be sent by freight very cheaply.

HOW TO ORDER. Always use the Order Sheet and printed Envelope sent with the Catalogue when possible. Write plainly; keep a copy of your order and be sure to sign your name, post office, county, and State every time you write to us. Please write each item of your order on a separate line, placing the quantity before each article and carry out the prices.

HOW TO REMIT. Send cash with order, by New York or Chicago Draft, Post Office Order, Express Order, or Registered Letter. It is not safe to inclose currency in a letter without having it registered. Postage stamps will be taken as cash.

SHIPPING INSTRUCTIONS. When goods are to be shipped by Freight or Express, give plain shipping directions; otherwise we use our best judgment in regard to the matter.

ERRORS IN FILLING. Occasionally in the Spring rush, some seeds may be overlooked in filling or not as ordered. In such case we are willing to make corrections. Do not return any stock until you have written to us regarding the same.

Novelties and Specialties for 1902.

HORTICULTURAL novelties for 1902, while not numerous, mark still further improvements in various vegetables. In the field of floriculture, that long-looked-for novelty, a "truly yellow" Aster, is announced. There are some entirely "new creations" offered for the first time. Included among the new things we give prominence to a few of our own specialties. They are time-tried and trustworthy. So far as we know, we have never offered a novelty which failed to meet all the claims made for it. Much thought and care is exercised in making the selections for these pages, to enable us to list only varieties in which we have fullest confidence.

BARNARD'S SELECTED EDMAND'S BLOOD BEET.

ASPLENDID American variety, which by careful, constant selection has become fixed and uniform in shape. The most uniform of all table beets, has small tops and short foliage of rich, dark red. The roots are round, **handsome**, clean, and **smooth**, with a single tap root. Does not grow very large, therefore does not require much thinning. Skin and flesh deep blood red; **sweet and tender in quality**. It matures **early**, gives every satisfaction as a **bunching sort**, and is an excellent keeper. It is the most popular main crop variety among our Market Garden customers about Chicago. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

Giant Green Pod

• Stringless •

VALENTINE BEAN.

CHIS bean comes highly recommended. It is a seedling from the well-known Red Valentine. It is claimed by the originator that it is

• Ready for the Market • with a more prolific crop of pods

ONE WEEK EARLIER

than its parent.

As a bean for the private garden it **cannot** be equaled, and for a variety for the trucker who must have both quality and productiveness, it will be most profitable.

The pods are one-third larger than Red Valentine, averaging five to six inches in length. They are always **absolutely stringless**, round, full, and fleshy. It is very prolific, and **surpasses other varieties in crispness and flavor**. No market or family gardener can afford to miss planting this fine new variety. Pkt. 10c; pt. 30c; qt. 60c.

ALPHA CABBAGE.

The Earliest Solid Heading CABBAGE in Cultivation.

THE main trouble with extra early Cabbages heretofore is, that they do not make **solid** heads. This objection is entirely overcome in the **ALPHA**.

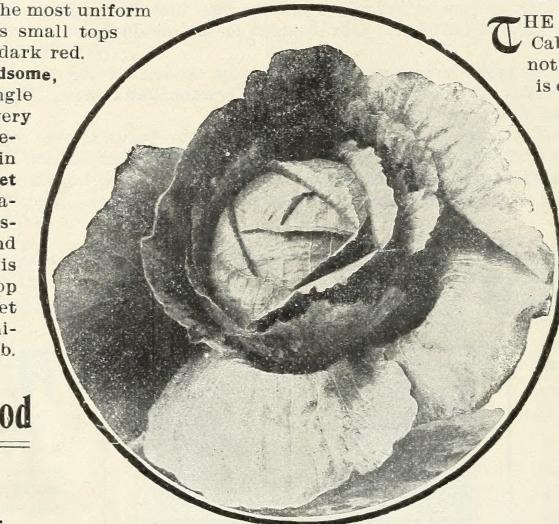
The strong points of value in this cabbage are, **earliness**, **remarkable solidity**, **compactness of growth**, and **attractive form**. It can be quite closely planted.

The editor of the *American Agriculturist*, having inspected a growing crop of **ALPHA CABBAGE**, expressed the opinion that it is "among the most noteworthy new vegetables that have come to our notice this season." Pkt. 10c; oz. 25c.

CARROT.

BARNARD'S IMPROVED DANVERS.

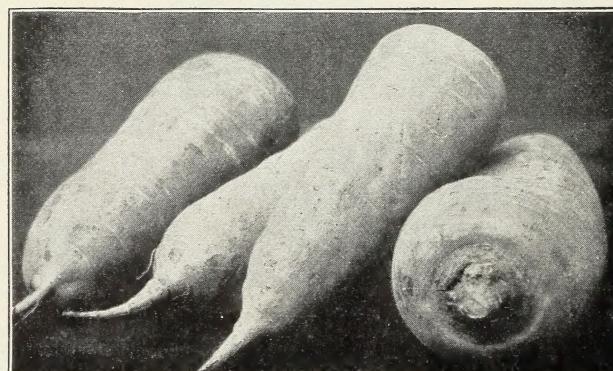
MARKET Gardeners have a preference for the Danvers Carrot because of its handsome tapering form and rich dark orange color. Our improved strain is **grown from carefully selected stock**. This carrot is adapted for garden or field culture, and it is suitable for all soils. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. 90c.



20TH CENTURY CABBAGE.

A NEW EXTRA EARLY VARIETY.

The Heads of the 20th Century Cabbage are round and solid as a cannon ball, and ready for use **earlier than any other sort**, not even excluding Jersey Wakefield, heretofore grown for first early. A peculiarity about this sort is, that a number of miniature cabbages, like Brussels Sprouts, form around the base. Pkt. 10c; oz. 25c.



BARNARD'S IMPROVED DANVERS.

Cauliflower.

Barnard's Early Snowball

is a very early strain of Cauliflower. The plants are of **dwarf, compact habit**, almost every one will make a solid head of pure white color and finest table quality. Pkt. 10c; $\frac{1}{2}$ oz., \$1.35; oz., \$2.50; $\frac{1}{4}$ lb., \$7.50.

*Holmes' New Sweet Corn***PREMO***The Earliest Sweet Corn of all**A pure Sweet Corn five to seven days earlier than Dwarf Extra-Early Adams***PREMO'S Record**

In Pa. "Had large, well-filled ears to cook 58 days from planting."

In Ill. "Remarkably early for maturity, and for an early Corn possesses extra good quality."

In Iowa. "Notwithstanding extreme dry weather, **PREMO** was ahead of all. We had large ears of excellent quality. Matured in about 60 days, and under favorable circumstances it would beat that."

EARLINESS in vegetables, as is fairly well known, is often obtained more or less at the expense of quality. Sweet Corn is by no means an exception; there is a marked difference in quality between the first early and later sorts.

It may be consistently stated that there has never been introduced any one variety of Sweet Corn which combined earliness and good flavor.

Holmes' PREMO Sweet Corn

possesses all the merits of the leading early varieties, and is superior to them all in size, quality, and yield. The stalks grow about five feet high, and are vigorous. Usually two well-developed ears are borne on each stalk. These ears measure one to two inches longer than those of Cory or Adams.

Pkt., 15c; 2 for 25c; pint, 35c; quart, 60c, postpaid.

PREMO'S Record

In Neb. "This corn is the earliest we have seen yet. I planted two acres of **Cory** the same day as **PREMO**. The latter was fit for market ten days sooner than the Cory."

It took just 59 days from planting to maturity. Another important feature is that it does not get wormy as other early varieties do. My friends and neighbors will plant **PREMO** next year."

Sweet Corn, EARLY Evergreen.

CHIS new strain possesses the distinct characteristics which have made STOWELL'S EVERGREEN the favorite variety of Sweet Corn for main crop, but the ears are ready for the table from one week to ten days earlier. The stalks are not so tall; each bears one to two ears about seven inches in length.

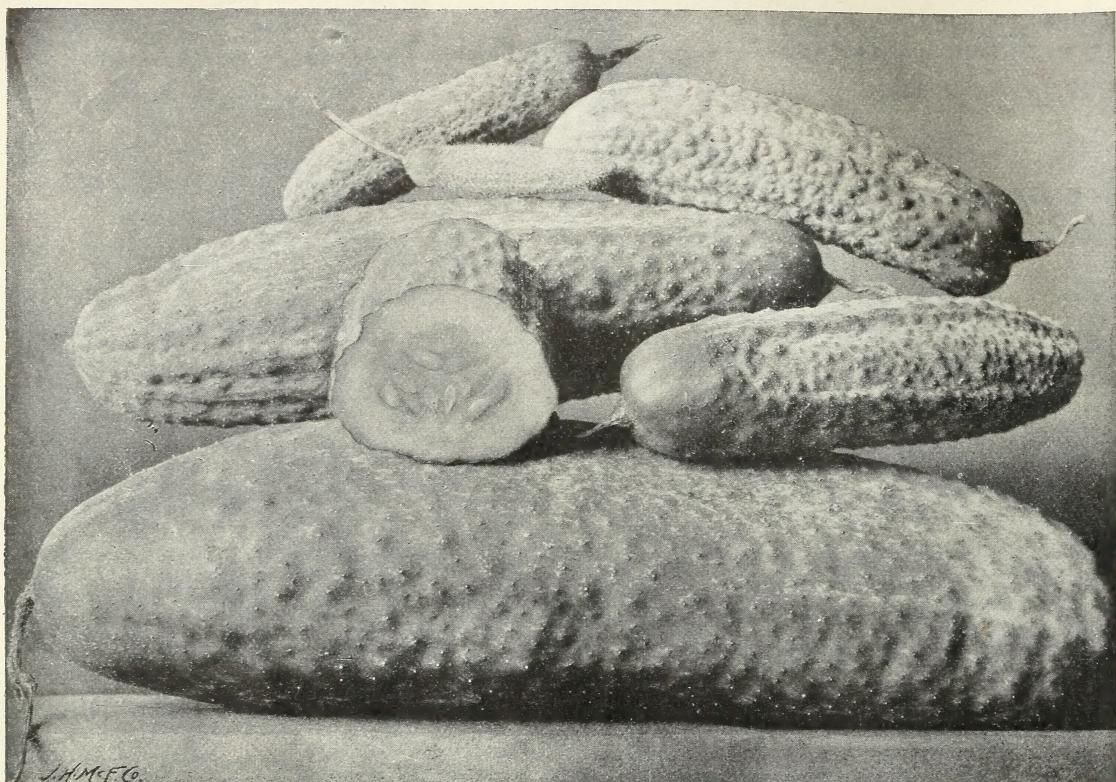
Fully 10 DAYS EARLIER than Stowell's Evergreen.

It will mature for market in EIGHTY DAYS.

The ears, like those of Stowell's Evergreen, are large, with twelve or more rows, and a deep, long grain, of excellent quality. They remain in condition for use longer than those of other sorts. It fills in the period of maturity between early varieties and the regular Stowell's Evergreen.

Pkt., 5c; pt., 15c; qt., 35c, postpaid. Pkt., 90c.

The New Cucumber & "Cumberland."



The Best Pickling Cucumber Known.

THE CUMBERLAND is a very distinct thickly spined sort obtained by crossing the **Parisian Pickling** on the **Peerless White Spine**. It gets its wonderful prolificacy and vigor of growth from the first named parent and its beauty and uniformity from the latter.

This new variety is of the hardy, white spine type, is a rapid, strong, and vigorous grower and very prolific in fruit.

The pickles differ from all other hardy sorts in being thickly set with fine spines over the entire surface, except the extreme stem end.

The Cumberland Cucumber

combines
Solidity, Crispness, and
Delicacy of Flavor
with great bearing qualities.

During the whole period of growth from the time they are first set until fully grown, the form is exceptionally straight and symmetrical, thus being as choice for a slicing variety as it is for pickles.

In the judgment of the originator (who has had an experience growing cucumbers of 50 years, as man and boy) the solidity and crispness of CUMBERLAND, as well as the thickness of flesh and slowness of seed formation, should make it a slicer of merit.

The flesh is solid, crisp, tender, and of excellent quality at all stages of growth.

Pkt., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb. \$2.50.

Tender, Crisp,
and Best for
Slicing.

• • Early Evergreen • •
White Spine Cucumber

Always remains
deep green
in color.

To those who have never grown this valuable variety, we would state that it differs from the ordinary White Spine in holding its deep green color much longer, both before and after being taken from the vines. It is also earlier and more productive. The fruit is of good size, straight, well-formed, and full at both ends. **Tender, crisp, and best for slicing.** As a shipping and market variety it is superior, its fine appearance always insuring "top notch" market price. There is no better sort for the home garden. Pkt., 5c; oz., 7c; $\frac{1}{4}$ lb. 20c; lb., 60c.

New Muskmelon — The "Paul Rose."

It is from ten days to two weeks earlier than Osage.



A BASKET OF "PAUL ROSE" MUSKMELOS.

This Melon is the best shipper we know of

It is just the right size for hotel or table use

"PAUL ROSE" Melons are shipped to Chicago and other cities in oblong handle-baskets containing one half bushel each. The fruit is so uniform in size that sixteen melons placed in two layers exactly fill one of the baskets.

The melons are nearly round or slightly oval, uniform in shape and size, the average diameter being about five inches. The flesh is thick, of deep salmon or orange color, ripening close down to the rind. A favorite with the market gardener as well as the private planter. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1b., 85c.

WATERMELON.

“Kleckley Sweets”

The Finest Watermelon yet Introduced for Home Growing and Table Use.

THE vines are strong and vigorous. The melons are oblong in form, eighteen to twenty inches long. The skin is a rich, dark green; flesh bright scarlet, ripening close to the rind, which is only half an inch in thickness. The seeds are white. The rich coloring of the flesh, together with its luscious sweetness, make this the finest table melon in cultivation. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1b., 75c.

Chicago Yellow High Globe Onion

Keeps until very late in spring in prime condition, and often-times without sprouting.

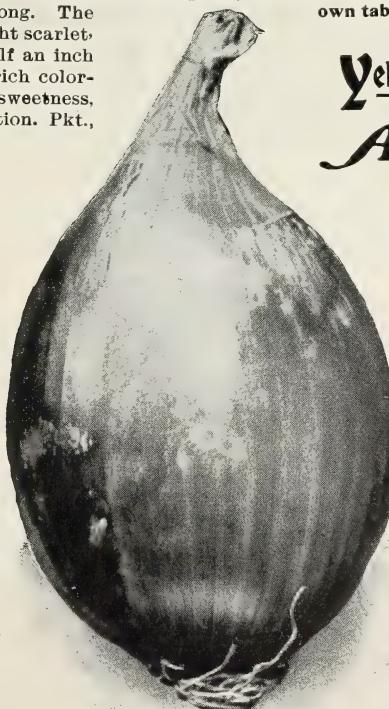
Illustration direct from photograph.

THIS ONION has been in the possession of one of our Market Gardener customers for a number of years, during which time he has steadily improved upon its form. After much labor he has succeeded in bringing it to the appearance represented herewith.

The Chicago High Globe Onion is light yellow in color. The bulbs are uniform in shape and size and solid and extremely hard.

This Onion is endowed with superior keeping qualities. Oftentimes entirely deficient of any signs of sprouting, it is in excellent condition late in spring.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; 1b., \$2.50.



CHICAGO YELLOW GLOBE.

The "Strawberry" MUSKMELO.

This Melon (first offered to the public by us) is now found in almost every seedsman's catalogue. Mature fruits weigh five to eight pounds each. Flesh red, soft to the rind, sweet. Just what you want for your own table. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; 1b., \$1.

Yellow Cracker Onion.

A N extremely early sort, good to grow where seasons are short.

In shape they are flat, like crackers, hence the name. Flesh white. They are enormous croppers, and possess superior bottoming qualities. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1b., \$1.75.

AUSTRALIAN BROWN ONION

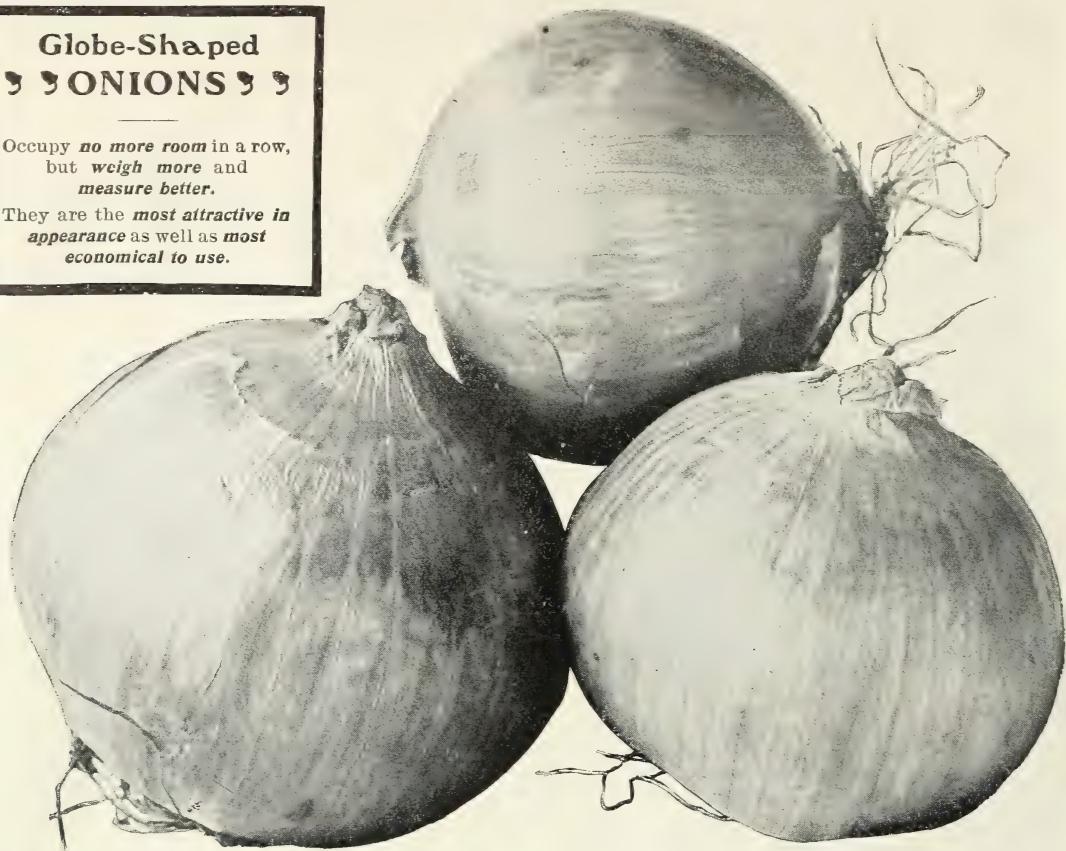
O NE of the best Onions which have been introduced in recent times.

The color of the skin is a clear amber brown, in marked contrast to all other onions. The bulbs grow to a good marketable size, very hard and solid. Nearly every plant produces a fine onion. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1b., \$1.50.

**Globe-Shaped
ONIONS**

Occupy **no more room** in a row, but **weigh more** and **measure better**.

They are the **most attractive in appearance** as well as **most economical to use**.



**BARNARD'S
SELECTED** **Yellow Globe Danvers Onion.**

The Finest Strain in Cultivation. A most Popular and Valuable Sort.
Produces the Onions Which Command the Highest Price in Market.

THE above illustration (from a photograph) gives a correct idea of the perfect shape of the Onions of our *Selected Yellow Globe Danvers Onion*. In our catalogue of 1896 we offered the seed for the first time. The strain is no longer a novelty, but it is one of the *good things* which have been introduced in recent years.

While this Onion is suitable for, and yields profitable crops on all classes of soil, it is **especially good for muck land** on account of its quick-maturing qualities.

The firm, solid bulbs are all that can be desired in **size and quality**. Being **excellent winter keepers**, they are sought after in all onion markets.

The onions from this strain of seed **ripen early and all at once**. They are

DISTINCT AND ATTRACTIVE IN SHAPE, HANDSOME, BRIGHT, EVEN COLOR; NECKS VERY SMALL.

A conservative estimate of the yield per acre on well-cultivated soil may be stated at 500 to 600 bushels, from seed sown in the spring.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; 1b., \$1.50; postpaid.

A VALUABLE BOOK.

***The New
Onion Culture.***

BY T. GREINER.

PRESENTED to every purchaser of five pounds or more of Onion Seed, or sent postpaid to your address for 50 cents.

FOR SOWING ONION SEED

and cultivating the crop, the grower will find a great advantage in possessing a **GOOD SEED DRILL** and **HAND CULTIVATOR**. (Please refer to pages 98, 99, and 100 of this book for illustrations and descriptions of these implements.)

A SPECIALTY.

**We make a specialty
of . . .
ONION SEEDS**

in all varieties.

**Our stocks are
carefully selected
and grown in various
localities.**

4 Valuable Peas.

THE NUMBER of varieties of Garden Peas is almost limitless. There are many now well-known standard sorts, for which see pages 38 and 39.

Below are four kinds no one will err in planting. If your space is limited, try SURPRISE for early, and DWARF TELEPHONE for late. They will not disappoint you.

It is suggested that a comparative test of varieties be made. By such means the cultivator will be able to determine upon for future planting those sorts which seem most suitable for his climate or to result of sales upon the market.

GRADUS PEA.

Hardy, Extra Early, Wrinkled.

GRADUS grows about thirty inches high, requires no support, though sticks or bushes can be used if preferred. The pods are large, nearly round and plump, bright green in color, well-filled with peas that are sweet, rich and mellow.

One market gardener says of it: "*Gradus is nice looking, easy to pick, and sells better than the smaller kinds.*" It is a grand pea in all respects,—is now recognized as a leader. Every gardener would do well to make a planting of Gradus. Seed of this most excellent pea is extremely scarce. Can be offered only in small lots. Pkt., 15c; pt., 50c; qt., 90c, postpaid.

Admiral Dewey Pea.

A NEW GIANT PODDED SORT.

The originator of this new pea, a grower of wide experience and note, in bringing it to public notice, said of it:—

"Without exception the largest podded pea of which we have any knowledge. Height, 3½ feet; foliage, vine and pod rich dark green, remarkably healthy and vigorous, producing in abundance pods of largest size, frequently six inches in length, beautifully shaped, well filled with peas of largest size, tender and first-class flavor; seed green, wrinkled. Undoubtedly the best of all the class of long vine, large podded peas." Pkt. 5c; pt., 25c; qt., 40c, postpaid. Peck, \$1.65, not prepaid.

SURPRISE PEA.

One of the Earliest Wrinkled.

GARDENERS who have been looking for a choice wrinkled pea which would come into market as soon as the extra early smooth kinds will find it in SURPRISE, for though fully as early as the earliest hard sorts it has the delicious sweetness which belongs only to wrinkled peas. Vines about 24 inches high. Pods thick and chunky, not so large as those of American Wonder, but far more numerous, presenting a fine appearance on the market stall.

For four years in succession two crops have been matured on the same ground where first one was planted, in each case being produced from seed of the first crop. Pkt. 10c; pt. 25c; qt. 45c, postpaid. Pk. \$1.00.

• • Dwarf Telephone Pea. • •

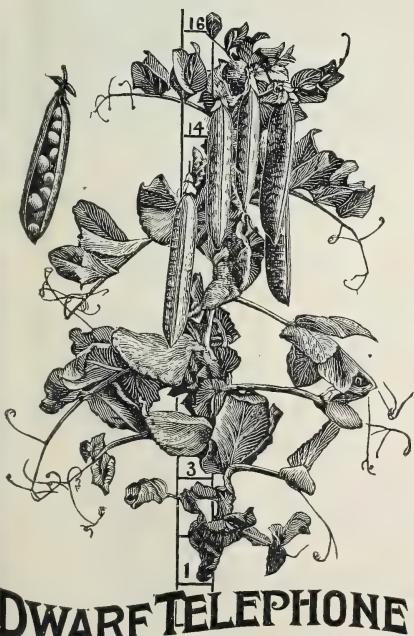
Pale Green Peas of Delicious Flavor.

CONDENSED description of this new pea may be given by stating that it is the famous old TELEPHONE without its long vines, and bred to a uniformity in height.

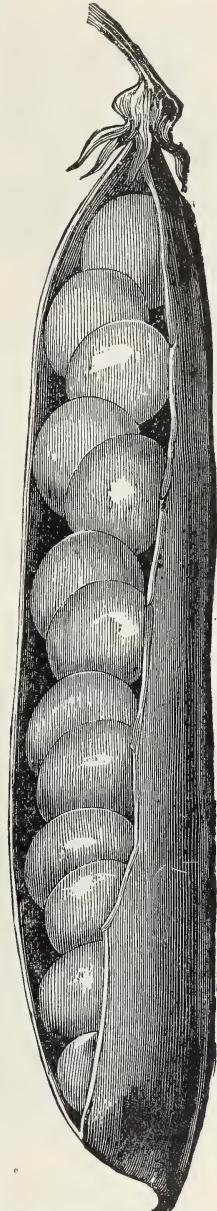
In habit DWARF TELEPHONE is dwarf and stocky—about 18 inches high. The peas are of the **largest size, tender, of delicious flavor and highest quality.** The unusually tender and delicate texture of this pea gives it a handsome appearance when ripe. Pkt. 10c; pt. 25c; qt. 45c, postpaid. Pk. \$1.50; bu. \$5.75.



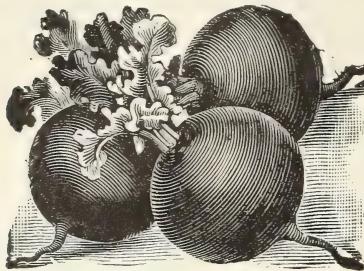
EARLY GRADUS.



DWARF TELEPHONE



ADMIRAL DEWEY PEA.



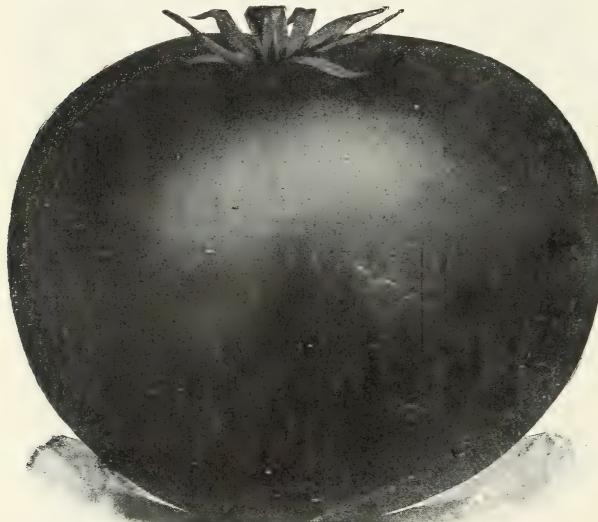
Early Round Dark Red.

RADISHES for FORCING.

We direct attention to our very complete list of Radishes for forcing on page 42.

EARLY ROUND RED. One of the quickest growing and most handsome Radishes in cultivation. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

The three best Lettuces for forcing are at the head of page 30.



Tomato "Magnus."

NEW TOMATOES.**"FREEDOM,"**

An Extra Early Sort.
Smooth, Round,
Bright Scarlet.

"FREEDOM" is not only early, but fine fruit can be picked from its vines in the fall, and it is enormously productive.

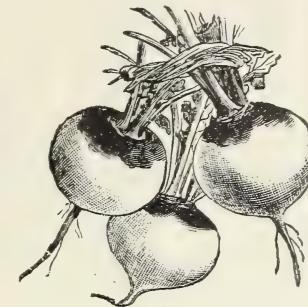
Tests made in two successive seasons result in showing **FREEDOM** to be not only as early but the equal of any Tomato for form, color, solidity, or any other essential quality. Fruits borne in clusters, perfectly round and smooth; color brilliant scarlet, flesh solid with few seeds; flavor free from any acidity. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00, postpaid.

A STRIKING NOVELTY.
The **Triumph Radish.**

Has beautiful scarlet stripe running around the fine, white, globe-shaped roots.

THE TRIUMPH is a beautiful and odd radish. It belongs to the early class, is globe shaped, with very short tops. It has proved a valuable addition to the Radishes which are grown under glass. The flesh is very crisp and solid, and of mild flavor.

This Radish can also be grown in the open ground as well. It is a most attractive ornament for the table, and market gardeners will find ready sale for it. Pkt. 10c; oz. 25c.

**TURNIP.****Purple Top White Globe.**

ONE of the best Turnips for table use. An early and heavy cropper, and a good keeper. Pkt. 3c; oz. 7c; $\frac{1}{4}$ lb. 15c; 1 lb. 40c.

PARSLEY. * * *

Champion Moss Curled.

A PRIZE-WINNING English Parsley. The plant, in appearance, resembles a tuft of green moss. The leaves are large, beautifully curled, and of a dark green color. This Parsley is slow to run to seed, stands heat, cold, and drought, and does well in open ground or cultivated in frame. Oz. 5c; $\frac{1}{4}$ lb. 15c; 1 lb. 50c.

*** Parsnip. ***

Magnum Bonum.

IT gives the utmost satisfaction and yields the most money to the market gardener because of its smooth, heavy, easily pulled roots, which are broad at the shoulder, fine grained, and of superior quality. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 55c.

**An Arbor Vitae Hedge.**

Grown from Small Seedlings Bought a few Years Ago.

THIS beautiful evergreen is well named, "The Tree of Life." It grows rapidly, and soon forms a fine hedge or wind-break. The hedge becomes so dense it is difficult for wind to pass through it. Can be trimmed to any shape.

We are making a special offer of 200 1 to 1 1-2-foot trees, delivered anywhere, - - \$2.50 Or 200 3-4 to 1-foot trees, delivered anywhere, - 2.00

And we agree to send them prepaid to all parts of the United States where there is an express station. The smaller size can be made into packages and sent by mail, postpaid.

In ordering state Express office and Express line running there.

An illustrated pamphlet of Planting Instructions will be sent free to every one who accepts this special offer. **We do not sell less than 200.**

"MAGNUS,"
A Main Crop Variety.
Thick, Solid,
: : : Handsome. ||

OF the color of *Acme* and *Beauty*. Unsurpassed in quality, and in the production of large fruits.

Magnus has been tested for staking up in the open field as well as for forcing in greenhouses, and it promises to be very desirable for either method of culture.

Magnus is a robust grower, has short joints, and is a heavy cropper. Fruit ripens evenly, does not crack about the stem, and the flavor is most desirable. Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00.

Flower Seed Novelties.

NEW ASPIRANTS for popularity in the realm of floriculture are constantly making their appearance. The past season was an exceptionally happy one in bringing to public notice some decided acquisitions.

For 1902 we are again fortunate in being able to offer some entirely "new creations." The majority of the varieties offered on the following pages have not been tested by us. They come to us with the indorsements of reliable growers, whose descriptions we give.

New Giant-Flowering ANTIRRHINUMS.

THE SNAPDRAGON, or Antirrhinum, is one of the best garden plants. It blooms freely and continues until frost. Spring-sown seeds will give plants that should bloom in July or August.

An excellent border plant.

The plants grow about two feet high. In the Giant-Flowering strain the bright colored, curiously formed flowers are of large size and decided fragrance. The well-clothed flower stems are beautiful for cutting. They keep fresh in water for some time.

Giant-Flowering Snapdragons, mixed. Pkt., 10c.

ANTIRRHINUM, "Queen of the North."

THIS is a dwarf Snapdragon which grows about a foot high. It is useful for pots as well as for bedding. Makes nice, bushy plants, which bear white, fragrant flowers, excellent for cutting. Pkt., 5c.

AGERATUM, Blue Perfection. The darkest colored of the large-flowering Ageratums. Excellent for culture in pots or bedded out. A deep amethyst blue, having no faded-out appearance. Pkt., 10c.



NEW ANTIRRHINUM "QUEEN VICTORIA."

NEW SNAPDRAGON "Queen Victoria."

(*Antirrhinum Majus Grandiflorum.*)

IN this splendid new variety are combined elegant, finely cut foliage with unusually large flowers of a brilliant white. The latter are borne in great profusion, on long and graceful flower stalks. Thus does not only this fine new variety produce a grand effect in the open ground, but it will furnish splendid material for the making of bouquets. Pkt., 25c.

AQUILEGIA CHRYSANTHA FL. PL. A very pretty double-flowered form of this lovely Columbine, growing about three feet in height and producing numerous branched flower stalks crowned with double and semi-double golden yellow flowers. 10c.

ARCTOTIS GRANDIS.

A New Annual from Africa.

THE handsome appearance and elegant habit of this new plant are certain to make it popular. This annual is a native of Southwest Africa, but grows perfectly in our climate.

"It forms profusely branched bushes of about 2 to 2 1-2 feet in height and breadth. The leaves are soft and whitish, tomentose on both surfaces, either oblong or obovate and toothed or pinnatifid with broad, blunt lobes. Its flower-heads, borne on long stems and rising well above the foliage, are large and showy, from 2 1-2 to 3 inches across; the ray florets being pure white on the upper surface are embellished by a narrow, yellow zone at their base; reverse of petals pale lilac."

Being of very easy culture, on a suitable sunny place, these plants produce their flowers most abundantly and in constant succession from early summer until autumn.

This fine novelty we recommend to all our customers for a trial. Pkt., 25c.



ARCTOTIS GRANDIS. A NEW PLANT FROM AFRICA.



A FIELD OF ASTERS. CARLSON'S IMPROVED ASTER IN THE FOREGROUND

NEW ASTERS

Of Superior Quality.



FLORISTS, taken as a class, fully realize the great importance to them of HIGH GRADE SEEDS of *Asters*, *Calceolarias*, *Cinerarias*, *Pansies*, *Primulas*, and others. We have Florist customers in almost every State of the Union. Our Aster seeds, as well as other choice varieties, are especially grown for us by some of the most noted specialists both on this continent and in Europe. **Better seed at any price cannot be had.**

ASTER, Carlson's Improved.

**HIGHLY PRIZED BY FLORISTS.
SPLENDID CUT FLOWER . . .**



SUPPLY ASTER "SUNLIGHT."

STARTING a few years ago with but one plant of each color, by continual selection Mr. Carlson has evolved an Aster greatly improved in form and size of flowers. The Aster is a type of the well-known Peony Flowered.

In the field of *Asters* (whereof the illustration shows a portion) were upwards of 40,000 plants. Its location is within the City of Chicago. An immense quantity of flowers were cut. **CARLSON'S IMPROVED ASTER** is a tall grower. It may be seen in the foreground. The plants were set 15 inches apart in the field, but grew so luxuriantly that difficulty was experienced in passing around among them, will be set 18 inches next year.

2308 White. 2309 Pink. 2314 Lavender.

Pkt., either color, 10¢; one of each, 25¢.

A Long=Looked=For NOVELTY.

NEW YELLOW ASTER

"Sunlight."

• A TRULY •
Sulphur Yellow

Bedding Variety.

MANY endeavors have been made to coax from Nature a YELLOW ASTER, and some measure of success has rewarded ambitious specialists. Viewed closely, however, none of the so-called Yellow Aster are justly entitled to the name for, while the inner tube of the many petals which go to make up each flower are yellow, the flat petals are white, or creamy at the utmost.

For this NEW YELLOW ASTER the claim is made by its originator (a man of highest integrity and reputation) that its flowers measure 3 to 4 inches in diameter, and are "truly yellow." It is an excellent variety to bed out. Its long, strong stems, and the delicate color of its flowers will make it valuable in bouquets.

2319. Yellow Aster "Sunlight," Pkt., 25c.

**Early Flowering
ASTER
Ostrich Feather.**

One of the most beautiful
Asters ever introduced.

THE IMMENSE DOUBLE flowers, often six inches across, are composed of long, narrow, loosely curled petals, suggestive of an ostrich plume. Their large size, lovely color, and their freedom from all stiffness, render these Asters most appropriate for use as cut flowers in vases. When employed in such manner they are excellent substitutes for Japanese Chrysanthemums, which they resemble.

The plants grow in Candelabra form to the height of about 18 inches, branching out into well-formed bushes. These come into bloom early; each plant bears a number of flowers. Bedded out they are very showy, the healthy and abundant foliage making a handsome setting for the flowers.

2196. **Ostrich Feather
Aster.** Salmon pink. 25c.



A FLOWER OF OSTRICH FEATHER ASTER—NATURAL SIZE.

ASTER, CHRISTMAS TREE.

A single plant bears from 30 to 60 flowers.

THE branching habit of this Aster is entirely different from all others, most conspicuously so in its peculiar manner of growth. The lower branches, when well developed, will cover an area of about eighteen or twenty inches in diameter. It is a grand variety to cultivate in pots. It blooms with greatest freedom, and the flowers are valuable for cutting.

2350. **Christmas Tree Aster.** Mixed colors. Pkt., 10c.

**NEW GIANT
FLOWERED BROWALLIA.**

(BROWALLIA SPECIOSA MAJOR.)

Beautiful for either Bedding or Pot Culture.

This large-flowered Browallia is one of the best plants for bedding in summer, and equally valuable for house culture in pots in winter. The bushy plants bear continuously, rich indigo-blue flowers, enlivened with a white throat. One of the best annuals.

For summer blooming plants, sow seed in open ground in May. For plants for indoors in winter, sow in July or August.

2221. **Browallia Speciosa Major.** 10c.



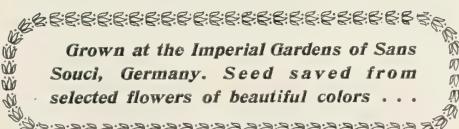
Two Beautiful Asters

“DAYBREAK” and “PURITY.”

DAYBREAK and PURITY are sisters. Both have their admirers. The former has lovely shell-pink flowers; those of Purity are pure white. For showy effect the two should be planted side by side. These two Asters are no longer novelties, but they are truly gems. Plants are robust and sturdy in growth, producing their handsome flowers on long stems early in the season. Desirable for cutting.

2194. **Daybreak.** Pkt., 10c. 2195. **Purity.** Pkt., 10c.

New Giant Cyclamen.



Grown at the Imperial Gardens of Sans Souci, Germany. Seed saved from selected flowers of beautiful colors . . .

Seedling Cyclamen plants invariably produce larger flowers than older specimens. Therefore it is advisable to grow young plants each year from seed, which should be sown early in light soil in a sunny window.

Nothing hitherto sent out can match the enormous flowers of rare beauty, with frilled and curled edges, which are seen in the “Sans Souci” strain. The foliage, as well as the flowers, is handsome, and both have stout, stiff stems, which materially adds to the effectiveness of these Cyclamens.

Colors: White, Rose, Brown Red, Bright Red, and Mixed. Pkt., (20 seeds) 50c.



DOUBLE YELLOW COLUMBINE.

AQUILEGIA or Columbine.

Columbines are perennials which delight in moist, rather shaded places. They form large clumps, bloom early, long, and abundantly. Their flowers are useful for cutting for vases, bouquets, etc.

NEW DOUBLE COLUMBINE.

The above illustration is a good representation of a new, double flowering variety of one of the best Columbines. With its fine spurs and beautiful double yellow flowers it is an attractive plant, whether grown in pots or planted in groups. Pkt. 10c.

Fancy Cosmos.

New Marguerite.

One of the prettiest and daintiest varieties imaginable. Flowers measure from $2\frac{1}{2}$ to 3 inches across. The petals are deeply and irregularly laciniated or fringed; the flowers resemble Marguerites, but are much more esthetic and beautiful. Colors are red, white, pink, and tinted blush, mixed. Pkt., 5c.

Cardiospermum.

(BALLOON VINE.)

A rapid-growing climber (illustrated on cover). Flowers white; seed vessels in appearance look like miniature balloons. Pkt., 5c.

CLIMBERS FROM SEED.

The following climbing plants (illustrated on cover) are all easily grown from seed: **Allegheny Vine**, **Wild Cucumber**, **Morning Glory**, **Tall Nasturtiums**. Price and description in Flower Seed pages 13, 59, 72, 73, and 81.

JAPAN DOLICHOS.

or "Hyacinth Bean."

Our trial of this fine Japanese climber on our own grounds proved so satisfactory that we unhesitatingly say it is an excellent novelty.

The Hyacinth Bean is a well-known climber, familiar in all old gardens. It makes showy effects either upon poles or screens and thrives everywhere. The seed was sown in May, and by early summer the plants were clothed in foliage and bloomed profusely from bottom to top. The large pea-shaped, pure white flowers stand out boldly from the foliage. In time they are succeeded by broad, velvety white pods. This elegant climber will give satisfaction to everybody. Pkt. 10c.

CARNATIONS.

"Giants of Nice."

THESE new Carnations are the results of much selection from **Chabaud's Perpetual** and **Guillaud** (see p. 63). They were brought out by specialists near Nice, Italy. They come into flower six months after seed is sown.

Their superior excellence lies in the increased beauty and the larger size of the flowers borne upon long stalks, and therefore useful for cut flowers. The colors are rich and varied. The seed has been selected with great care from large flowers. Pkt. 25c.

BARNARD'S

Choice

Mixture.

Contains seeds of all Carnations which bloom the first season after sowing. A packet will bring sufficient plants for a large bed. From such a bed an ample supply of flowers for table decoration can be cut. Pkt., 10c.

CENTAUREA.

CENTAUREAS form a class of hard yannuals of which Bachelor's Buttons and Corn Flowers are examples. The large and beautiful new hybrid Centaureas Margaret and others (see page 64), are among the most valuable additions of former years.

Giant Corn Flower.

Centaurea Imperialis.

This is a first-class novelty. It is of the easiest culture, and should have a place in every garden. The bushes are about four feet high, of enormous dimensions, and are covered with large, beautiful flowers of the form and fragrance of Centaurea Margaret. The flowers will keep for over a week in water, if cut just when they are about to open. The colors vary. There are white, lilac, rose, dark red, purple, and others. The seed offered is mixed. A packet of seed sown at intervals of two or three weeks will insure a succession of flowers through summer and fall. Pkt. 5c.



CARNATIONS, "GIANTS OF NICE."

NASTURTIUM.

THE beautiful Nasturtiums take front rank among our most showy and useful annuals. The compact growth and the gorgeously colored flowers make the dwarf varieties general favorites for massing and bedding, while the tall or climbing varieties are almost indispensable in vases, baskets, covering trellises, and verandas. No other plant will stand neglect, heat, or drought without showing the slightest effect better than this class does. If planted and grown in rather poor soil, they will flower continuously and profusely until killed by frost. The seeds, if picked green, make an excellent substitute for capers.

Chameleon. In this new Nasturtium **different colored flowers are seen upon the same plant.** Some are deep crimson, others blotched on light ground, while some are all of one shade. The contrast as well as the richness of coloring is most marked.

Dwarf Chameleon. As a bedding plant is unsurpassed. Its flowers are not so large as those of the tall variety, but are **more intense in coloring**, and the flowers stand out above the foliage. Pkt. 5c; oz. 15c.

Tall Chameleon. Nothing better to cover trellises and fences with. It blooms with the greatest freedom the entire season. Pkt. 5c; oz. 15c.

Sunlight. For illustration of natural size flower see page 73. This may well be called a Giant Flowered Nasturtium. Flowers golden yellow, round and well-displayed above the light green foliage. Pkt. 5c; oz. 15c.

For Complete List of Named Nasturtiums of All Kinds, See Page 73.



CLIMBING NASTURTIUMS.

BARNARD'S Special Mixture of NASTURTIUMS.

IN THIS special mixture prepared by ourselves is included all the named sorts found in our list, and several others, among them the tall growing **Chameleon**, **Mad. Gunter's Hybrid**, and **Sunlight**, together with the popular **Canary Bird Vine**. This mixture will produce flowers of every hue, nearly all of them fragrant, which can be cut and used in bouquets or arranged in vases to decorate the parlor. Large pkt. 10c; oz. 15c.

BEDS OF Dwarf Nasturtiums afford one of the most beautiful sights in the garden. Even the ordinary mixture will produce a continuous bloom of brilliant flowers. Included in this mixture are seeds of the **Dwarf Chameleon** and the new **Liliput** described below. All make low bushy plants which give flowers freely from June until killed by frost. Although much improved the cost of seed is not advanced. Plant Nasturtiums with a liberal hand. Large pkt. 10c; oz. 15c.



LILIPUT NASTURTIUM.

New Liliput or Miniature NASTURTIUMS.

UNDER this title is introduced an entirely new class of Dwarf Nasturtiums. They are smaller and more dwarf than Tom Thumbs—grow only six inches high. The seeds, the leaves, the flowers, are all in miniature. The pretty flowers are produced in the greatest profusion, standing well clear of the small cut and bushy foliage.

We consider this one of the best new introductions. This season we can offer in three separate colors—**dark crimson, scarlet, spotted**. Any color or mixed. Either color, per pkt. 15c.

LOBB'S NASTURTIUMS.

Few flowers bloom more profusely or possess such intense, vivid, and rich colors as the *Tropaeolum Lobbianum*. They make beautiful hedges grown on brush, as are sweet peas, while they can also be trailed to a greater height. In vases they are particularly attractive, hanging over, while grown simply trailing on the ground they are surpassingly beautiful and furnish an abundance of bloom for house decoration in vases or bowls.

As easily grown as the common tall Nasturtium, but far surpasses in the remarkable brilliancy of the flowers. Mixed colors. Pkt. 5c; oz. 10c.

NICOTIANA.

Sylvestris. A most effective plant, either used in conjunction with other tall-growing sorts, or when grown in beds or as single specimens. It is of strong growth, about 4 feet high, with rich, *very dark green foliage*. Standing well out from the leaves are numerous flower spikes, upon which the pure-white, tube-shaped flowers are borne. The flowers are long, pendant, and they *emit a pleasing fragrance*. Pkt., 10c.

New DOUBLE PETUNIA.

Rosea Perfecta.

CHIS new *Double Petunia* is of the Lilliput, or Dwarf type, and is the first self-color to be introduced in this class. Grows about 6 inches high, each plant bearing well-formed, rose-colored flowers. Comes almost true from seed, with a small percentage of single-flowered plants. Pkt., 50c.

NEW PÆONY- FLOWERED Poppy

"Miss Sherwood."

LIKE other annual Poppies, it is of the easiest growth, succeeding in any sunny position. This Poppy is one of the finest of the single-flowered class. It makes a handsome cut flower. Plants grow 2½ feet high, with noble foliage. Flowers single, satiny white, the upper half being shaded with pink. Pkt., 10c.



NICOTIANA SYLVESTRIS.

Japanese Morning Glory.

Yellow Flowering.

In the enormous quantities of Japan Morning Glory seeds which are annually imported, this yellow-flowering variety is not included. It is *extremely rare*, and can be had only as a separate color. The flowers, like all of those of the race, are very large, a *clear canary yellow*. We have imported a limited quantity of seed. Pkt., 10c.

NEW MORNING GLORY

"ROCHESTER."

CONCERNING this really handsome climber, it might be correctly named a Giant Morning Glory, for its flowers are fully as large as those of the Japanese strain. The foliage, however, is different, and the flowers form in clusters from three to five, *from the ground to tops of vines*. The lovely flowers are of a *pleasing light blue* in the throat, with *wide white band around the edge*. Pkt., 10c.

THREE NEW GIANT PANSIES.

EVERY year there are new Pansies introduced. Most of them prove valuable. The following have had at least one year of trial in various parts of the country, and have proved worthy of retention.

TIN this variety is seen the nearest approach thus far to a "Double Pansy." The number of the petals, however, is not increased, but their edges are crimped or ruffled so that this strain is *entirely distinct from all other Pansies*. The flowers are extremely large, of varied colors edged with white or yellow. Almost every one shows the peculiar formation of the petals. Pkt., 25c.

CHE extraordinary large flowers—3 to 3½ inches across—make this grand Pansy in great demand.

The plants are spreading in habit, with *broad and extremely dark green leaves*. Having *straight and stiff stems*, the flowers stand out well

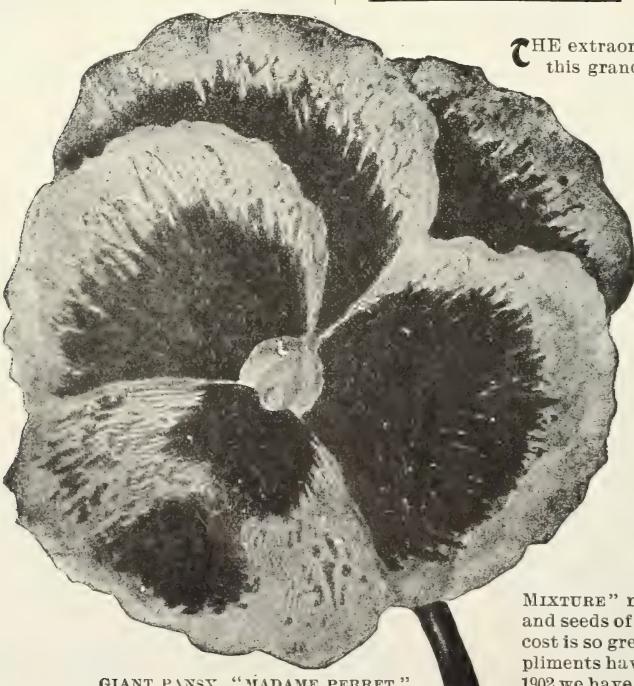
NEW GIANT PANSY
Madame Perret.
above the foliage. Flowers are usually all of one color, of some shade of red, from light to quite dark. Pkt., 15c.

GIANT PANSY "FREYA." A new, large-flowered silver-edged Pansy. The ground color is a rich purple, margined with white. Shows to advantage when growing among very dark colored Pansies. Pkt., 10c.

WE can best describe this as a combination of the *best named Pansies* secured by us from leading

BARNARD'S
Florists' Mixture
3 of PANSIES 3
specialists both at home and abroad. For many years we have sold this mixture to Florists all over the country. Our aim is to have the best obtainable, and to that end no expense is spared.

The Pansies which come from our "FLORISTS' MIXTURE" not only include the Giants, but *all* the named sorts and seeds of those with flowers of such great beauty that their cost is so great they can only be sold in this mixture. Many compliments have been paid to the quality of this mixture, yet for 1902 we have again improved it. Pkt., 20c; 3 for 50c.



GIANT PANSY, "MADAME PERRET."

A GRAND NOVELTY

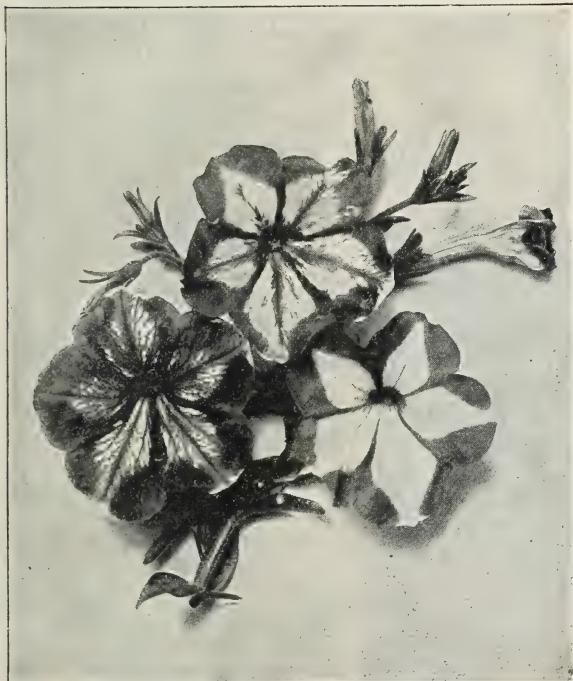
NEW ★ PETUNIA.

BY a long course of selection, cross-fertilization, and breeding, covering many years, there has been developed a strain of Petunias that for **richness of color**, beautiful markings, and pleasing form of its flowers have won the distinction of being "the most beautiful Petunias in the world."

Mr. W. C. Egan, Egandale, Ill., had a double row of the New Star Petunia on his grounds last season. In THE AMERICAN FLORIST he states: "Nothing on my place has attracted so much attention. A flower, plucked at random, measures two and one fourth inches in diameter. The body color is a dark, rich, velvety maroon."

Starting deep within the throat are the five rays of a star, which broaden half way up, narrowing to a point at the margin.

Price, pkt., containing not less than 75 seeds, 15c, 2 for 25c full size pkts., (150 or more seeds) 25c, 5 for \$1.00.



NEW STAR PETUNIA.

New Pink Flowering Hardy Daisy.

(Pyrethrum Roseum Hybridum Grandiflorum.)

FEW perennials can be more beautiful than well-grown hybrids of **Pyrethrum roseum**. Not only are they, through their vivid coloring and long-lasting bloom, most effective in the open border, either singly or in groups, but the splendid long-stalked, ray-shaped flowers are of exceptional value for cutting, and just what the present fashion demands. Pkt., 20c.

Double Sunflower

(Globosus Fistulosus.)

In addition to the **Helianthus**, or Sunflower, described on page 69, we also direct attention to the variety named above. Flowers **extremely double**, 12 to 15 inches in diameter. The most **showy of all**. Pkt., 5c.



Mignonette, Machet.

WHETHER for growing in pots or out of doors this fine Mignonette stands pre-eminent. *Neither in the way of handsome foliage nor in the size of flowers can any of the other sorts approach it.* In the garden it blooms until frost. Florists to whom we supply largely grow it all the year round. Pkt., 5c; oz., 65c.

NEW GOLDEN MACHET. This retains all the excellent qualities of the **Machet**, but has a charming golden yellow tint. Pkt., 5c; oz., 50c.

Large-Flowering Mignonette.

This is the well-known so-called Sweet Mignonette. **Every in- and outdoor garden** should contain a number of plants. Pkt., 5c; oz., 10c.

Jerusalem Cherry. **Butterfly Flower.**
(SOLANUM CAPSICASTRUM.)

OF recent years this has been found useful for drawing-room or table decoration. It is easy to grow, especially adapted to pot culture; retains its handsome appearance a long time. The foliage is handsome and contrasts finely with the miniature, round, scarlet fruit, which covers the plant. Pkt., 10c.

ONE of the prettiest of the annuals and which seems to be but little known, is the so-called

Butterfly Flower.

Schizanthus grows quickly from seed, takes on bushy form, and is loaded with richly colored blossoms of various colors. The flowers resemble butterflies, and are beautiful. Pkt., 5c.

PEPPER, Improved Celestial. A fitting companion pot plant to the Jerusalem Cherry. Pkt., 5c; oz., 25c.

PINK
FLOWERING
HARDY
DAISY.

Japanese or "MIKADO" Fern Ball

*A Beautiful
Novelty*



JAPANESE FERN BALL—IN LEAF.

Requires neither pots nor soil. Lives upon air and water.

Flourishes in a window, suspended by a cord.

THOUSANDS of this interesting Japanese novelty were sold in the last two years. The ball is composed of dormant fern roots wound upon a globe of moss, and so constructed as to send out beautiful green leaves from every point. *They grow rapidly and make a beautiful decoration.*

When the ball is received, immerse it in water several hours, then suspend in any desired position, after which, water about three times a week. *Requires from 1 to 4 weeks to start into growth, and the most water when it is in full leaf.*

The fern ball may be allowed to dry up at any time, and be set away, and started again by watering as before. Price, each 75c, postpaid. Larger balls by express at same price, but not prepaid.

New Seedling

GLADIOLUS

"Park Belle"

A SEEDLING selected from thousands of others, and noteworthy for its very stout strong spike of handsomely formed, large flowers. In color they are a pleasing shade of pink, not always exactly of the same tint.

As interior decorations cut spikes of Gladioli, placed in water, are much esteemed. Their beautiful colors, and their long-keeping qualities make them ideal flowers for this purpose.

The entire stock of "Park Belle" is as yet quite limited. The price is fixed at \$1.00 each, postpaid.

We are growers of Gladiolus bulbs by the acre. We offer three desirable collections on page 85.



COPYRIGHT 1901 BY E. S. THOMAS
GLADIOLUS "PARK BELLE."



New Pedigree Rose, "DOROTHY PERKINS"

MOST people who admire Roses know the so-called "Memorial Rose" (*R. Wichuriana*), see page 89. It is one of the parents of DOROTHY PERKINS; the other is the also well-known Mme. Gabriele Luizet. A bed of "Dorothy Perkins" Rose at the Pan-American Exposition attracted much attention.

The plant is *absolutely hardy*. It has the same climbing habit as Crimson Rambler, bearing its flowers in clusters of 40 to 50. They are sweetly scented, and shell-pink in color. Field-grown plants, by express only, each, 40c; 3 for \$1.00, not prepaid.

Climbing Plants

FRONT COVER ILLUSTRATION.

A suburban home, clothed and draped with Ornamental Climbing Plants. Price and description of these on page 93. The oval at left contains *Clematis Henryi*; in circle at right *Clematis paniculata*.

On same page are shown some climbers easily grown from seed. Morning Glory, Nasturtium, Allegheny and Balloon Vine, and the exceedingly rapid growing Wild Cucumber Vine.

Collection of 12 Bulbs

For 35c, Postpaid.

ILLUSTRATED ON BACK COVER.

Includes Begonia Tuberous, Dahlia, Maderia Vine, Hyacinth Candicans, Spotted Leaf Calla, Oxalis, 2 varieties, Gloxinia, Tuberose, Cinnamon Vine, Canna, and Gladiolus, described in Bulb Department of this catalogue (pages 82-86).

General List of Vegetable Seeds.

IT HAS ever been our endeavor as Seedsmen to make HIGHEST QUALITY the first consideration and then to fix our prices as low as GOOD, RELIABLE SEEDS can be sold. It is the poorest economy for the planter to invest in seeds whose chief recommendation is that they are cheap.

OUR PRICES INCLUDE POSTAGE on packets, ounces, quarter pounds, pounds, pints and quarts, Except Where Noted. If the purchaser will pay the freight or express charges, ten cents per pound, fifteen cents per quart and ten cents per pint may be deducted from the prepaid prices herein offered.

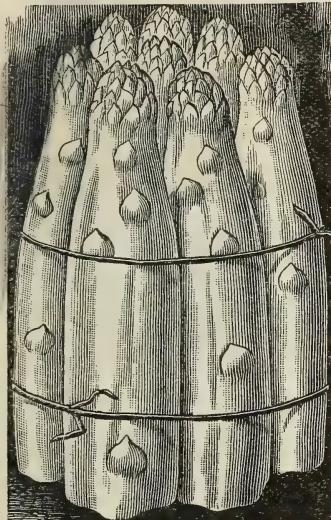
PACKET and OZ. SEED DISCOUNTS.

Purchasers may make selections of seeds in Packets and Ounces at these discounts:

For 25 cents select Seeds in pkts. and oz. amounting to .30.
For 50 cents select Seeds in pkts. and oz. amounting to .65.
For \$1.00 select Seeds in packets and oz. amounting to \$1.30.
For 2.00 select Seeds in packets and oz. amounting to 2.70.
For 3.00 select Seeds in packets and oz. amounting to 4.00.

ON SEEDS IN BULK

From Catalogue Prices by the $\frac{1}{4}$ pound, pound, peck or bushel, when cash is sent with order, purchaser may deduct 5 per cent. on an order from \$3.00 to \$5.00, and 10 per cent on an order from \$5.00 to \$10.00. This discount refers to SEEDS quoted in catalogue by weight or measure (except those in the division of Farm Seeds on pages 49 to 56) and not to Potatoes or Bulbs, nor to seeds in packets and ounces.



COLUMBIAN MAMMOTH WHITE.

ARTISCHOKE, Ger. ARTICHAUT, Fr.
GREEN GLOBE. Sown and grown in good garden soil this variety will last for years. Its flower heads cooked like Asparagus are relished by many. Pkt., 5c; oz., 30c.

JERUSALEM ARTICHOKE. Produced from Tubers. Cultivated like Potatoes. They are sometimes used as a table vegetable, but their chief value is as stock food. Swine are particularly fond of them and all animals eat them with relish. One barrel will plant an acre. Lb., 25c, prepaid. Pk., 35c; $\frac{1}{4}$ bu., 65c; bu., \$1.25, not prepaid.

Asparagus.

SPARGEL, Ger.

ASPERGE, Fr.

One ounce will sow sixty feet of row.

IN early spring sow the seed, after soaking it 24 hours in warm water, in drills one foot apart, and one inch deep. During summer keep the soil mellow and free from weeds, thinning the plants to four inches apart. The following spring transplant into permanent beds, that have been deeply dug and highly manured.

COLUMBIAN MAMMOTH WHITE. It produces very strong shoots which are pure white, and so remain. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

CONOVER'S COLOSSAL. A well known green variety of excellent quality and quick growth. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 40c.

PALMETTO. Early, large, excellent quality. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.

Asparagus Roots.

ONE to two years' time may be gained by setting out roots. This can be done in spring or fall. The ground should be well manured and trenched deeply. The roots should be planted two feet apart, one foot apart in the row, and at least 8 inches deep.

If to go by mail add 25c per 100 to price of one year old roots and 50c per 100 for two-year old plants. We supply 25 of a kind at the 100 rate, 250 at the 1000 rate.

COLUMBIAN MAMMOTH WHITE. Two-year old roots. 100, \$1.00; 1000, \$6.50.

CONOVER'S COLOSSAL. One-year old roots, 100, 50c; 1000, \$4.50. Two-year old roots, 100, 75c; 1000, \$5.00.

PALMETTO. Two-year old roots, 100, 75c; 1000, \$5.00.

BUSH BEANS.

BONNEN, Ger.

HARICOT, Fr.

One quart to 100 feet of drill or to 200 hills.

THE best soil for Beans is a light, rich, well-drained loam which was manured for the previous crop. As soon as all danger from frost is passed, plant in drills, two to three feet apart, two inches deep, three to six inches apart in the row. In hills plant two feet apart one way and three feet the other. From one pint to two quarts of seed are required for a family.

GREEN-PODDED VARIETIES.

Stringless Green Pod.

The Earliest and Best of the Green-Pod Sorts.

The claim is made for this variety that it is the only absolutely stringless Bush Bean, consequently surpassing all others in crisp, tender flavor. The illustration shows the width and thickness of the long, beautiful, straight pods. This variety is ready to market even earlier than the Long Yellow Six Weeks. It fully bears out every claim made for it. Pkt. 5c; pt. 25c; qt., 35c; pk., \$1.20.



IMPROVED RED VALENTINE.

Fully ten days earlier than the common Valentine and therefore prized by market gardeners, as well as for its great productiveness. Beans medium size, marbled in pink and red; pods long, curved, fleshy, and tender. Pkt. 5c; pt. 20c; qt. 35c; pk. \$1.00.

BUSH BEANS—Continued.

GREEN PODDED VARIETIES.

✓ **LONG YELLOW SIX WEEKS.** Hardy, early, and productive. A standard sort for general crop. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25.

✓ **EARLY MOHAWK.** Long, flat straight pods. Much grown in the South to ship to Northern markets. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25.

Improved Extra Early Refugee.

It has all the excellent qualities of the ordinary Refugee with the additional advantage of being fully two weeks earlier in podding. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25.

✓ **REFUGEE or 1,000-to-1.** Pods round, thick, and tender. Beans, brown speckled. Season, medium to late. Extensively grown for pickling. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25.

✓ **EARLY CHINA RED EYE.** An old standby. Very early and of excellent quality. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25.

VARIETIES FOR SHELLING.

✓ **BOSTON SMALL PEA.** Early, hardy, and prolific, yields from forty to sixty fold with ordinary field culture. Pkt., 5c; pt., 20c; qt., 30c; pk., 90c; bu., \$3.25.

✓ **WHITE NAVY.** Valuable chiefly as a field bean and considered by many the best baking variety. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

✓ **ROYAL DWARF, OR WHITE KIDNEY.** Excellent cooked with sweet corn, making "succotash." Among the best as a winter bean. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

✓ **DWARF HORTICULTURAL.** Late; productive and much esteemed for good quality of the beans. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.35.

✓ **LARGE WHITE MARROW.**

Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.



CHALLENGE
DWARF BLACK
WAX BEAN

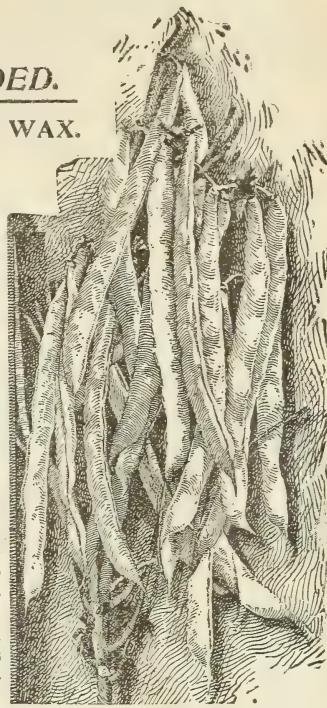
WAX PODDED.

DAVIS KIDNEY WAX.

The BEST Bean

For Market Gardeners and Canners.

✓ **HE** large beans are pure white, kidney shape, excellent for cooking, green or dry. The pods while young are stringless, tender and of excellent flavor, very long, straight and uniform in size and shape, of a clear waxy white, do not discolor in canning, making them most desirable for the canner. The Davis Wax will delight the market gardener as they are unusually productive, keep well and present the finest appearance in the market. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50.



DAVIS WAX BEAN.

ROGERS' LIMA WAX.

A first-class Wax Bean and a decided Novelty.

Named Lima on account of its glossy foliage and bloom, which resembles the Dwarf Lima. Pods lemon yellow, broad and flat, borne in great profusion. Quality, tender and juicy. Seed oval, small, pure white. Sure to become a favorite main crop variety. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50.

✓ **IMPROVED GOLDEN WAX.** In repeated comparative trials this improved strain has greatly outyielded other varieties. Pods are thicker than those of Golden Wax, stringless and of much better quality. *Absolutely rust proof.* Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50.

WARDWELL'S KIDNEY WAX.

Pods long, nearly straight, white, wax-like, and handsome, of good quality. Beans, large, kidney-shaped, white with dark markings about the eye. *A most profitable variety for the market gardener.* Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50.

Challenge Dwarf Black Wax.

The earliest Wax Bean in Cultivation.

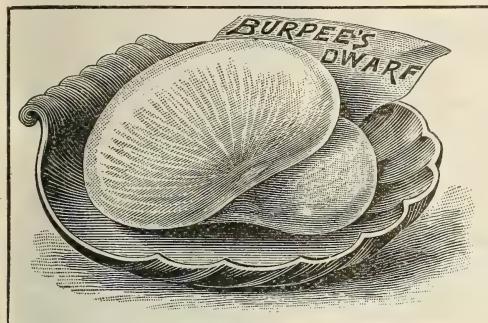
Fully *one week earlier* than any other. Continued trials strengthen all the claims made for this grand bean. Its vigor and productiveness leave nothing to be desired. Pods clear waxy white, round, fleshy, crisp, and tender. The dry bean is jet black, long, curved, and rather flat. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50.

✓ **REFUGEE WAX.** It produces immense pods of a golden yellow color and always remains tender. Suitable for early or late sowing, and for a wet or dry season. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50.

BUSH BEANS, WAX PODDED VARIETIES—Continued.

BLACK WAX. Early. Pods short, round, nearly white; beans black when ripe. Valuable as snap bean. Amply rewards the gardener for good care and cultivation—whether for the market or the home table. Pkt. 5c; pt. 25c; qt. 45c; pk. \$1.50.

DETROIT WAX. So hardy as to be called rust-proof, and its straight, handsome pods will keep a long time without spoiling, making it a fine sort for shipping long distances. Pkt. 5c; pt. 20c; qt. 40c; pk. \$1.10; bu. \$4.00.



Running or Pole Beans.

Pole beans are more tender and require more care in cultivation than the dwarf or bush varieties, and should be sown two weeks later; they succeed best in sandy loam, which should be liberally enriched with manure. Form hills from three to four feet apart; plant five or six beans in a hill, about two inches deep, leaving space in the center for the pole. When the beans are well started, they should be thinned to two or three plants in a hill. *One quart makes 100 to 200 hills, according to size of beans. Eight to twelve quarts plant an acre.*

Lima beans will not grow until the weather and ground are warm; if planted before they are apt to rot in the ground.

SIEBERT'S EARLY LIMA.

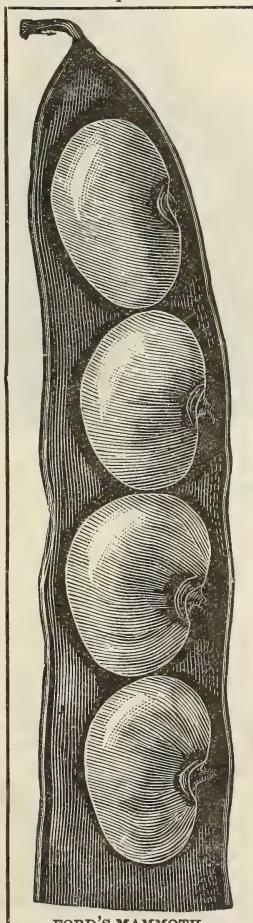
The Earliest of the Large Limas.

When in condition to use green, the beans are larger than those of any other variety. The vines are exceptionally hardy, and not only produce pods earlier, but they continue in bearing longer than any other sort. In earliness, ease of shelling, and quality of the beans, this variety is far in advance of all other sorts. Pkt., 10c; pt., 25c; qt., 50c; pk., \$2.25.

KING OF THE GARDEN LIMA. In general habit of growth this is similar to the large white Lima but matures the fruit much earlier. It possesses the characteristic of setting beans early at the bottom of pole and producing continuously to the end of the season. In productiveness they excel the common Lima. Pods are 6 to 8 inches in length and contain five to seven beans of unusual size, which lack nothing in quality. Pkt., 10c; pt., 25c; qt., 50c; pk., \$2.25.

FORD'S MAMMOTH. The largest of all Limas. The vines are vigorous, setting the pods low down. These pods enclose from five to seven beans, without exception the finest flavored of all Limas. Bears continuously throughout the season until frost. Pkt., 10c; pt., 25c; qt., 50c; pk., \$2.25.

CUT SHORT, or CORN HILL. An old variety that is in favor for planting among corn. It will yield a good crop without the use of poles. Beans nearly oblong, cut off at the ends, white and partially dotted with white spots. Pkt., 10c; pt., 25c; qt., 50c; pk., \$1.75.



RUST PROOF BLACK WAX.

This is an early, productive, good bean, having long, flat, yellow pods of fine quality. The dry beans are blue black. Foliage vigorous, healthy, and rust proof. Pkt. 5c; pt. 25c; qt. 45c; pk. \$1.50.

IMPROVED PROLIFIC BLACK WAX. Much earlier and more prolific than the old strain. Pods golden, even, stringless and of fine quality. Pkt. 5c; pt. 25c; qt. 45c; pk. \$1.50.

Bush Lima Beans.

BURPEE'S DWARF. Plants make perfect bushes from eighteen inches to two feet high. They are *sure croppers and immense yielders.* Pods as large as those of the Pole Lima, and contain three to five beans of the best quality. Pkt. 10c; pt. 25c; qt. 50c; pk. \$2.00.

HENDERSON'S BUSH LIMA. Valuable on account of extreme earliness. Extremely productive, tender and delicious. The dry beans are small and white. Pkt. 10c; pt. 25c; qt. 50c; pk. \$1.75.

DREER'S DWARF LIMA. Thick pods and large thick beans, three or four in a pod. Ripens fully ten days earlier than the Pole Lima of same name. Pkt. 10c; pt. 25c; qt. 50c; pk. \$2.00.

EXTRA EARLY LIMA. The pods are large and numerous, invariably having from four to five beans in each pod. These beans appear in eastern markets nearly two weeks ahead of ordinary limas, selling at from \$3.00 to \$4.00 per bushel of pods, and previous to the introduction of Siebert's Early were considered the earliest. Pkt., 10c.; pt., 25c.; qt., 50c., postpaid; pk., \$2.00.

LARGE WHITE LIMA. A late standard variety which has long been considered the most tender and delicious bean grown, either green or ripe. Ours is an extra selected stock. Pkt., 10c.; pt., 25c.; qt., 50c.; pk., \$2.00.

DUTCH CASE KNIFE. This is also used as a cornhill bean. Pods very long and flat; beans flat, kidney-shaped, white, of excellent quality green or dry. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.40; bu., \$5.25.

LAZY WIFE'S. A late bean that is *unparalleled for use in any season.* Pods long, broad and thick, easy to gather. Stringless, rich and buttery when cooked. Pkt., 10c.; pt., 30c.; qt., 60c.; pk. \$3.00.

KENTUCKY WONDER. *Best green podded Pole Bean.* Pods green, nine inches or more long, nearly round, fleshy, stringless and of excellent flavor. Dry beans, long, oval, dun-colored. It is an early and most prolific variety. Pkt., 10c.; pt., 30c.; qt., 50c.; pk. \$2.50.

SCARLET RUNNER. This variety is cultivated chiefly for its bright scarlet flowers. Its vines and leaves are very strong, making an excellent climber. Beans of fair quality, either cooked or dry. They are of a purplish color variegated with black; large thick and kidney-shaped. Pkt., 10c.; pt., 25c.; qt., 45c.

The prices quoted by the packet, pint and quart are for the best Seed Beans, Postage Paid, by Mail. Remember that, by express or freight, you can DEDUCT 8c. per pint or 15c. per quart.

BEET. FOR THE TABLE.

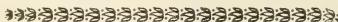
RUNKELRUEBEN, Ger.

BETTERAVE, Fr.

1 oz. to 100 feet of drill, 5 to 6 lbs. to acre in drills.

CULTURE.—Sow as early in the spring as ground can be worked and for succession every two weeks after up to the first of July, in drills twelve to fourteen inches apart, and when well up thin to from four to six inches. The young plants removed in thinning, are excellent cooked in same manner as Spinach. Take up the roots in October and store in cellar like Potatoes.

DIRIGO. A new, extra early turnip beet which we consider the best yet introduced on account of its handsome shape and attractive color. It is one of the best for either summer or winter use. It is a beautiful dark red color, of fine grain and flavor. Tops and tap roots quite small. A most desirable variety for market gardeners by whom it is used largely for bunching. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



• Barnard's Selected Edmand's Blood Beet. •

A SPLENDID American variety which by constant, careful selection has become fixed and uniform in shape. It is round and smooth, does not grow very large, therefore requires but little thinning. It has a small top and a single tap root. An excellent sort for bunching. The flesh is deep red in color, exceedingly sweet and tender. It matures early. It is a standard winter variety. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

EGYPTIAN BLOOD TURNIP. A standard early variety. Globe shaped, somewhat flattened on top. Skin deep red, also the flesh, which is of fair quality. Tops very compact. Many beets can be grown in a limited space. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 45c.

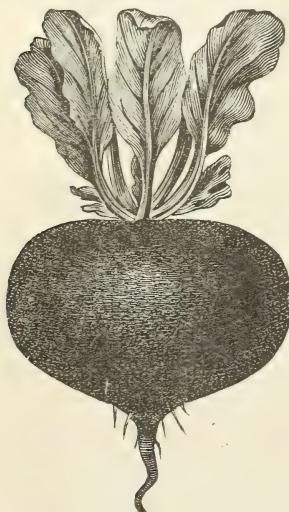
• • Crosby's Egyptian Beet. • •

This strain is much in demand by market gardeners for forcing and early out-door sowing as it reaches a saleable size in a short time. It is turnip-shaped, of good form, small necked, with short tops and a deep blood color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

IMPROVED EARLY BLOOD TURNIP. An old standby.

This beet does not mature so early as those named above. It is an excellent one for the home garden and summer use. Pkt., 5c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 45c.

EARLY FLAT BASSANO. Tops large, leaves light green, the leading sort to sow for greens. Roots quite flat, grows to a large size; flesh pink with white zones, sweet and tender when young. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.

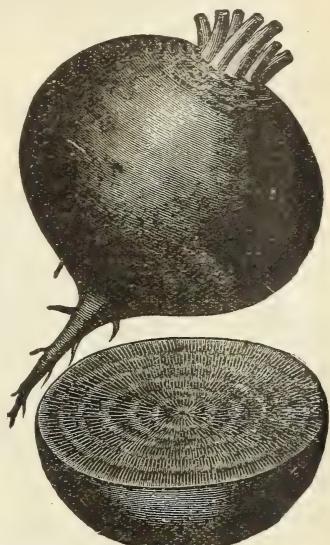


DEWINGS EARLY BLOOD TURNIP. A superior beet for the table. Skin smooth, flesh dark red with white bands. Good for summer or fall use. The best main crop variety. A great favorite with market men. Our stock is unexcelled by any in the country. Pkt., 5c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 45c. *Special prices will be made to buyers of Beet seed in quantity.*

EDMUND'S IMPROVED.

SWISS CHARD, or Sea Kale Beet.

We recommend all our customers to try this distinct vegetable, which is superior to the common beet for greens; if sown at the same time it will be fit for use before it. Later, the plants form broad, flat, beautiful wax-like stems to the leaves, which are very delicious cooked as beets or pickled. Packet, 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 45c.

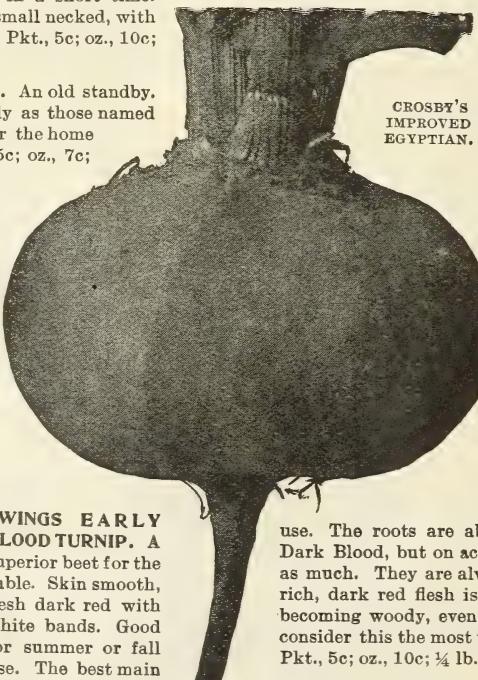


ECLIPSE BEET.

Eclipse Beet.

THIS is not only an extra early beet but if sown late it is valuable for winter use. Its extreme earliness, neat globe shape with small top and crimson color make this a most popular sort with market gardeners for bunching. Packet, 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.

COLUMBIA. It was introduced within a few years and is one of the very best for table qualities. It is turnip-shaped, has smooth skin and deep blood-red flesh. Fully as early as Eclipse but superior in many ways, never becoming coarse or pithy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



CROSBY'S IMPROVED EGYPTIAN.

HALF LONG BLOOD.

This is an entirely distinct variety and by far the best for winter use. The roots are about one-half as long as the Long Dark Blood, but on account of their thickness weigh quite as much. They are always smooth and handsome, and the rich, dark red flesh is very sweet, crisp and tender, never becoming woody, even in portions above the ground. We consider this the most valuable sort of recent introduction. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

IMPROVED LONG DARK BLOOD BEET. Tops large, necks small, leaf stems and vines red, leaf green, roots large, tapering, growing even with the surface, dark red, flesh dark red, zoned with lighter shade, very tender and sweet and remaining so when kept till spring. Packet, 3c; oz., 7c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Please remember that our prices are for seeds post-paid by mail. If ordered by freight or express, at purchaser's expense, eight cents per pound should be deducted.

Mangel Wurtzel and Sugar Beets.

THE value of Mangels for stock feeding cannot be over-estimated. The results from their use are clearly seen in the improved health and condition of animals, the increased flow and quality of milk from cows, and the saving in fodder. Mangels yield enormously if the soil is rich, and can be grown at trifling cost. *Everyone who keeps even one cow should grow a patch of Mangels for winter feed.*

Sugar Beets are not as heavy yielders as Mangels, but they are of better quality, abounding in saccharine matter. For sugar producing purposes these beets are grown in Europe by thousands of acres, and in some localities in our own country immense establishments are in successful operation, extracting sugar from beet roots.

CULTURE: Both Mangels and Sugar Beets require deep, well enriched soil. Sow in May or June in rows eighteen inches to two feet apart, and three to eight inches in the rows. Young plants may be transplanted to fill up vacancies. As soon as frost occurs, dig the crop, *4 to 5 lbs. are required for an acre.*

Mammoth Long Red Mangel.

THIS Mangel grows to an immense size (often eighteen inches long) much out of the ground and is enormously productive on rich soil. It is an excellent keeper, very nutritious and milk producing. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.; 5 lbs., not prepaid, \$1.00.

MONARCH. A new variety of mammoth proportions and rich, blood-red color. The roots are remarkably smooth and handsome, and of *superior nutritive qualities*. Moreover, it is enormously productive. This will prove itself a secure investment for our farming and gardening friends. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c., postpaid; 5 lbs., \$1.25, not prepaid.

NORBITANT GIANT. Not surpassed for cattle feeding. Flesh red, very solid. Roots very large, always keeping well. A variety that pleases all. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

GOLDEN TANKARD. Contains less water and more sugar than any other. A special feature is the rich, deep yellow color of the flesh, nutritious and milk-producing qualities. It is very hardy and productive. Grows two-thirds above ground and can be dug very easily. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

PRIZE CHAMPION GLOBE.

A large, globular, orange-colored variety of the Mangel that is even a better keeper than the Long Red. It produces fine crops upon shallow soil. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

SUGAR BEETS.

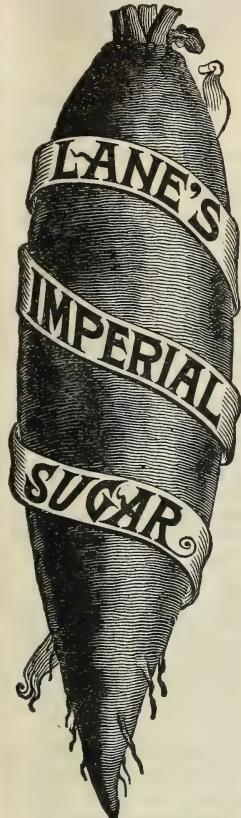
KLEIN WANZLEBEN. In sugar beet growing sections this variety is esteemed for its certainty to mature a crop which is rich in sugar. It has a conical-shaped root, large and tapering; yields from twelve to eighteen tons of beets to the acre. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

LANE'S IMPROVED SUGAR BEET. The best one to grow for stock feeding. The flesh is sweet and tender, and it is by some people liked for table use. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

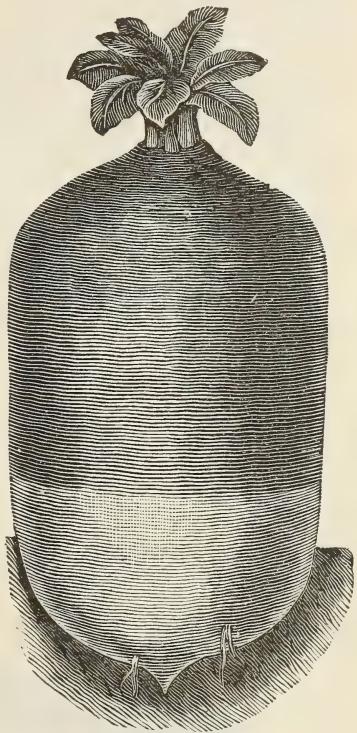
BORECOLE or KALE. Seeds may be sown in a moderately rich soil, in an exposed situation, in April or May. In transplanting treat the plants like young cabbages. The central leaves are used as spinach, and are much improved by frost.

DWARF GERMAN, Greens or Sprouts. More hardy than cabbage. The leaves are curly, bright green and very tender. Excellent for garnishing and makes splendid greens for winter use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

GREEN CURLED SCOTCH. About two feet high, and bears green curled leaves. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.



SUGAR BEETS.



GOLDEN TANKARD.



BRUSSELS SPROUTS.

BROCCOLI.

SPARGEKOHLE, Gr. BROCOLI, Sp. CHOU BROCOLI, Fr. 1 oz. to 2,000 plants.

Taller and more hardy than Cauliflower, but otherwise very similar to that delicious vegetable. Culture and use are identical with that of Cauliflower.

EARLY PURPLE CAPE. The best variety for our climate. Heads close and compact, of a violet or purple color, and of excellent quality. Pkt., 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

WHITE CAPE. Similar to above except in color which is a creamy tint. Pkt., 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

Brussels Sprouts. The plants grow two to three feet high, and produce miniature heads from the sides of the stalk. These heads, after they have been touched by frost, become very tender, boiled in the same way as Cauliflower. This vegetable is easily cultivated, comes into use after frost, and is not appreciated generally at its true worth. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.35.

CABBAGE.

KOPFKOHL, Ger. CHOU POMME, Fr.
1 oz. will produce 1,500 plants; $\frac{1}{2}$ lb. to
transplant for an acre.

OUR CABBAGE SEED, grown under the care of practical, painstaking and reliable men; in localities where experience and thorough tests have proved the climate and soil to be the best adapted to their production in highest perfection; from fully developed, perfect heads, carefully cured and stored until time of planting; thoroughly tested as to vitality. Our seed can but give satisfaction, and we unhesitatingly recommend it for use of market or private gardener.

CULTURE: For early summer use sow in hot-bed in February or March; before transplanting to the open ground they should be hardened off by exposing them gradually to the night air. For winter use sow in open ground in May or June—taking care in either case not to let the plants stand too closely, as this makes them “spindling.” When five or six inches high, transplant in rows two feet apart one way, and 12 to 18 inches the other, according to variety, burying to the first leaf whatever the stem length. Hoe every week, drawing the earth up about the plants until they begin to head. then give thorough and final cultivation and leave to mature.

CABBAGE PLANTS. Ready about April 1st. For prices on these and other Vegetable Plants see end of Vegetable Seed List.

Extra Early Express.

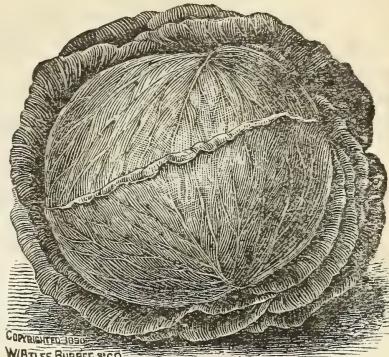
HEADS the list as the earliest *Cabbage in cultivation*, maturing in from 80 to 85 days from sowing the seed. It has but few outer leaves, almost every plant forms a small, conical head of a yellowish green color. In quality it is the best. Desirable for early market or home use. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$3.00.

EARLY JERSEY WAKEFIELD. SELECT STOCK..

Long recognized as the best earliest *marketable Cabbage*. Medium in size, in shape pyramidal with a pointed peak. Hardy plants can be wintered in cold frames. Is a reliable, certain header and one of the most profitable cabbages for the market gardener. Our strain of seed is of superior quality. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$3.00.

EARLY DWARF FLAT DUTCH. Second early. Rounded, solid heads of medium size, tender, and fine grained. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

For the Cabbage worm, try “*Slug Shot*.” See “*Insecticides*” in back part of this catalogue.



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W. W. BARNARD & CO.

ALL HEAD EARLY.

All Head Early.

The most profitable Early Cabbage for market gardeners. The best all-the-year round Cabbage for the home garden.

Heads flat, deep, and solid; firm and tender; valuable also for late; seeds sown in July and set out in August will make fine heads. Largely planted by market gardeners. Nearly 10,000 can be grown on an acre, and nearly every one will produce a head. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$3.00.

EARLY YORK. An old favorite in the family garden. Heads small, heart shaped and firm. Almost certain to head and is a good shipping sort. We carry it to meet occasional calls. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

EARLY WINNINGSTADT. Well known and much esteemed. Heads large, conical; leaves bright, glossy green. Valuable not only for early use but for winter cabbage. Because of vigorous growth thrives even under unfavorable conditions. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

All Seasons.

Much grown by market gardeners and is also an excellent variety for home use. Remarkable for its ability to stand hot sun and dry weather. Makes solid, hard heads of large size. It is both an early and late variety, and is most appropriately named. Pkt., 5c.; oz., 20c.; $\frac{1}{2}$ lb., 60c.; lb., \$2.00.

FOTTLER'S BRUNSWICK, Short Stem. We have a superior strain of this seed which brings large flat, solid heads of excellent quality. Stem very short. A sure header and good shipper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

EARLY SUMMER. Comes in about ten days later than Wakefield, having much larger heads. They are of uniform size, somewhat flattened. Unexcelled for market garden and good for home use. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

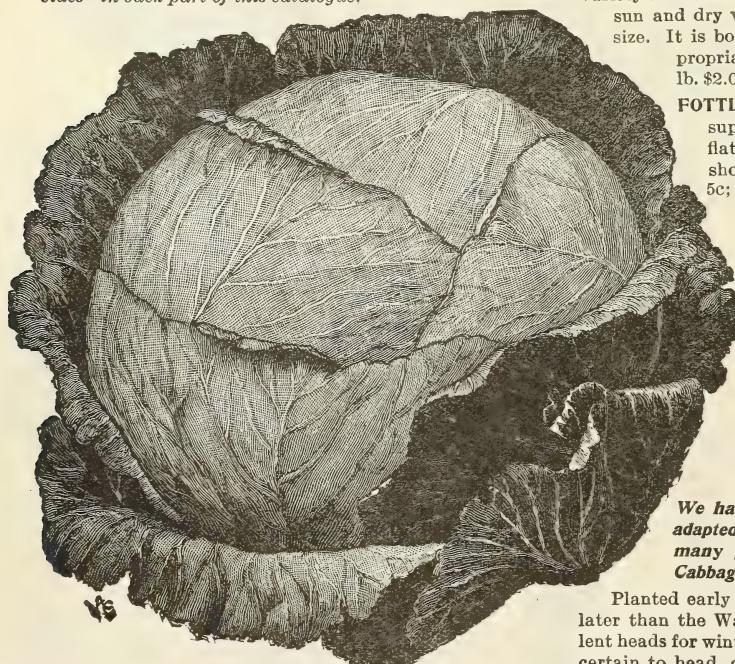
Chicago Market Garden.

THIS valuable cabbage continues to give the utmost satisfaction not only to Chicago gardeners but in every locality in which it has been introduced.

We have yet to find a variety more thoroughly adapted to general culture and which combines so many good qualities as our “Chicago Market” Cabbage. It will surely please you.

Planted early it develops fine, large solid heads one week later than the Wakefield, while if set out later it makes excellent heads for winter use. It stands the hot sun well, is almost certain to head, does not crack and is an excellent keeper. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

CHICAGO MARKET CABBAGE.



CABBAGE. MAIN CROP AND LATE SORTS.

Danish Ballhead.

The best Cabbage for Early Spring Sales.

DHIS entirely distinct variety comes from Denmark. It has been cultivated in America for five or six years and has proved a very desirable winter cabbage both on account of its uniformity in heading and from its *extremely hard, solid head*, which gives it *superior keeping qualities*. The heads are nearly round, almost as deep as they are wide. Color, blue green. The hard heads keep excellently when buried and present an attractive appearance when offered in the spring market. It has been thoroughly tested and may be relied upon to meet every claim made for it. Packet, 5c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

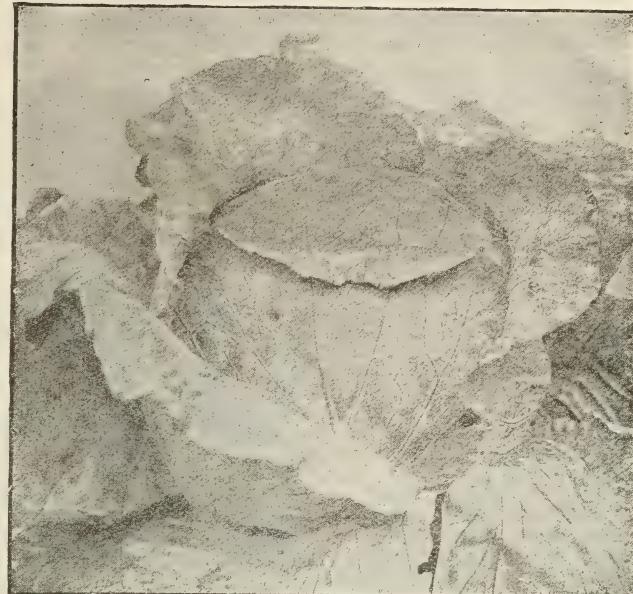
VANDERGAW. Sent out by an expert eastern cabbage seed grower a few years ago. It heads about the same time as Early Summer but is much larger and very solid. *It is undoubtedly one of the best for general cultivation.* A remarkably good keeper. Packet, 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LUXEMBURG. This makes a *very hard head of good size*, extraordinary weight, and is remarkable for its keeping qualities. It is a grand sort for late spring sales, for after many kinds are gone it retains its bright green color. One of the most profitable to grow, gardeners invariably realize high prices for this variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

Selected Late Flat Dutch.

WE know this to be as fine a strain as ever offered. It grows very large, is remarkably hardy, a sure header, uniform in shape, size and color. Few varieties can approach this for superior quality. Market gardeners grow this very extensively for a late crop. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$2.00.

BRIDGEPORT DRUMHEAD. A leading Chicago variety for shipping and one of the most popular varieties in our markets. The large, solid heads and its non-liability to burst make it much in demand by market gardeners, some of whom will take no other seed. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$3.00.



DANISH BALLHEAD CABBAGE.

• • Surehead. • •

THIS famous Cabbage is most appropriately named, for it can be relied upon with certainty to head even under unfavorable circumstances. The heads are large, very hard, firm, fine in texture, and sweet flavored. It is a late variety, keeps well, is good for shipping and is a favorite sort with market gardeners and for home use. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00.

PREMIUM LARGE LATE DRUMHEAD. Head enormous. Very hardy and desirable fall and winter variety; also a good shipper. Pkt., 5c; oz., 15c.; $\frac{1}{4}$ lb., 50c; lb., \$2.00.

LUPTON. This is a new Cabbage which is so highly spoken of we now add it to our list. It is a dark green in color, has a short stem and is *one of the best keepers*, coming out in the spring bright and fresh, a little earlier than Flat Dutch and Drumhead. We have some very choice seed. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.50.

• • Autumn King. • •

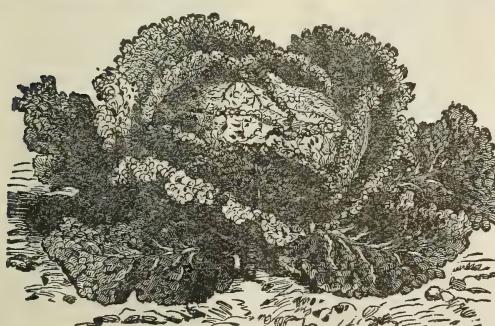
THE large, broad heads are uniform in shape, hard and solid as a rock, fine grained and tender -more so than any other very large cabbage. Forming so few outer leaves it goes almost *all to head*. It is a rapid grower and does not require special culture to bring out its excellencies. Pkt., 5c.; 30c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50.

HOLLAND. The superior merit of this variety is the hard heading and long keeping quality. Heads medium size; white. If properly stored they will be found when taken up in spring to be in perfect condition. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$3.00.

RED LEAVED CABBAGES.

MAMMOTH RED ROCK. By far the *best*, largest and *surest heading* red cabbage. Color, deep, rich red. *Many successful market gardeners choose this for their entire crop of red cabbage, pronouncing it the best of all.* Pkt., 5c.; oz., 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.75.

RED DUTCH. Heads large, round and solid; excellent for salad or pickling. A sure header and a good shipper. Pkt., 5c.; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.50.



SAVOY CABBAGES.

AMERICAN DRUMHEAD SAVOY. The best of its class for home use or market. Heads large, *solid and compact*. Has rich, sweet flavor of the cauliflower when cooked. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb. 60c.; lb. \$2.

EARLY DWARF ULM SAVOY. Heads medium size, round and solid; leaves deep green and finely wrinkled. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb. 60c.; lb. \$2.00.

CARROT.

MOEHREN, Ger. CAROTTE, Fr.

1 oz. to 100 ft. of drill, 3 lbs. per acre.

The Carrot being enormously productive and of superior nutritive quality, is a desirable and profitable crop to grow for stock feed. We recommend to our farmer friends, Danvers Half Long, Long Orange and the White Belgian varieties as especially adapted for this purpose.

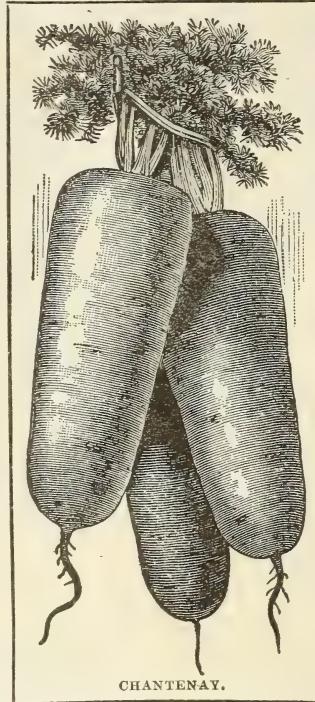
CHANTENAY. For market gardeners and table use it is probably the best in shape and finest in quality of all. Flesh tender, deep orange color. This carrot yields enormously, is smooth, has a large shoulder and is easily harvested. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

EARLY SCARLET SHORT HORN. Quite short, nearly round. Adapted for forcing for market and culture for early home use. Deep orange in color, flavor excellent. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

OXHEART OR GUERANDE. In shape nearly oval, stump rooted. Color, rich orange. Quality for table use unexcelled. An enormous yielder. Many farmers use this sort for feeding stock. Packet, 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

DANVERS HALF LONG. A smooth, well-formed carrot, which grows to a popular size and is suitable for all soils. Flesh, orange color. Very prolific, often yielding 20 to 30 tons per acre. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

SAINT VALLERY. A new, large variety of an orange-red color. Smooth, broad at the shoulder, 10 to 12 inches long, tapering to a point. Excellent for table use and profitable for field culture. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 55c.



CHANTENAY.

CAULIFLOWER.

BLUMEN KOHL, Ger. CHOUFLEUR, Fr.

1 oz. will produce about 2,000 plants.

setting in open ground, and finally transplanted before the middle of April in rich, deeply-worked soil, 2 feet by 15 inches apart. Late sorts are sown and cultivated like late cabbage. When heading, tie the top leaves together to protect from exposure to the sun.

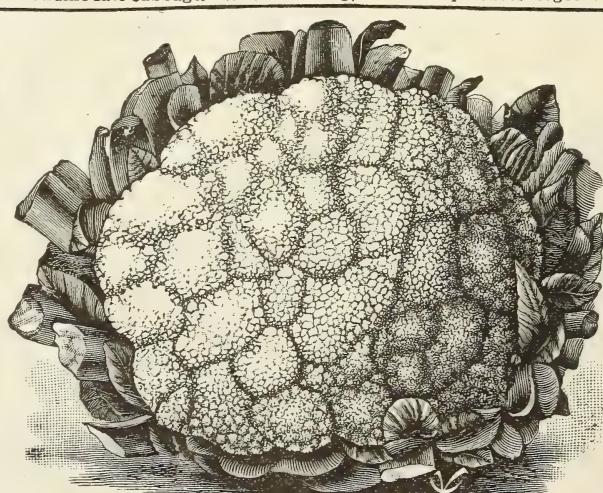
Selected Earliest Dwarf Erfurt.

The earliest of the earliest. Very dwarf, small leaved; can be planted twenty inches apart and forced. Makes a fine, firm head, of *snowy whiteness, tender and of delightful flavor*. This is the highest quality and very best Erfurt seed, much superior to extra early. Pkt., 25c.; $\frac{1}{4}$ oz., \$1.50; $\frac{1}{2}$ oz., \$2.50; oz., \$5.00.

EXTRA EARLY ERFURT.

Where extreme earliness is not essential this will be found one of the best. Pkt., 10c.; $\frac{1}{2}$ oz., \$1.15; oz., \$2.00; $\frac{1}{4}$ lb., \$6.50.

AUTUMN GIANT. A late variety, vigorous habit. Large, handsome, white heads, well protected by foliage. Packet, 5c.; $\frac{1}{2}$ oz., 30c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.75.



Barnard's Early Snowball.

THIS very superior strain is noted for producing *early plants of dwarf habit, short, compact growth, and uniform shape*. It is extremely hardy and one of the surest to make a solid head. For forcing under glass during winter and early spring and for planting later in open ground no strain of Snowball can surpass it. Pkt., 10c.; $\frac{1}{2}$ oz., \$1.35; oz., \$2.50; $\frac{1}{4}$ lb., \$7.50.

HALF LONG SCARLET NANTES. An early stump-rooted variety that is valuable for table use. Flesh red, with very little core. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

BARNARD'S IMPROVED DANVERS. *Market Gardener's Special Strain.* Very attractive in appearance, deep orange color, flesh sweet and tender with almost no core. A rapid grower and heavy cropper. Pkt., 5c.; oz. 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

IMPROVED LONG ORANGE. Standard late sort; of good flavor and an excellent keeper. Roots 12 to 15 inches long; requires deep, rich soil on which it yields heavy crops. A good variety for the table and market purposes as well as to grow for stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

WHITE BELGIAN. Grows largely above ground, making it easy to harvest. The lower part of the root is white, the upper part is green. This carrot is enormously productive, the roots attaining a surprising size. No up-to-date farmer should neglect putting in a plot of Stock Carrots. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

We recommend a treatise

CARROTS; How to Grow Them.

It is not only instructive but interesting reading. Sent postpaid for 30 cents.

Denmark.

Best for early and general crops.

We again have the pleasure to offer genuine seed direct from headquarters of this superior Cauliflower. It has been tested over a wide stretch of the country and the most flattering reports continue to reach us regarding its worth. It forms *large, firm, fine grained heads as white as snow*. It may be used either for an early or late crop. Is sure to head and is certain to please. Packet, 10c.; oz., \$2.50; $\frac{1}{4}$ lb., \$8.00.

EXTRA EARLY PARIS.

Head of good size, white and compact. Early and desirable. Packet, 5c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00.

LARGE ERFURT. A selected strain with large, solid white heads. For late planting. Pkt., 5c.; oz., 75c.; $\frac{1}{4}$ lb., \$2.50.

CELERY.

SELLERIE, GER. CELERI, FR.
1 ounce of seed for 2000 plants.

CELERY PLANTS. Ready about June 1st. For prices on these and other Vegetable Plants see end of Vegetable Seed List.

CELERY FOR PROFIT,

This book is thoroughly complete in every detail, and is embellished with many helpful and original illustrations. 30 cts., Postpaid.

White Plume, selected.

THIS is a very popular early variety that for fall and early winter use is not surpassed. A desirable feature of this Celery is that naturally, its stalks and heart are white so that by closing the stalks by tying or by drawing the soil close about the plant and pressing it together with the hands, the blanching is completed. It is the earliest Celery in cultivation, but will not keep longer than the holiday season. Pkt., 5c.; oz., 15c.; lb., \$2.00.

CRAWFORD'S HALF DWARF. A white variety, intermediate in size, crisp and nutty. A favorite with market gardeners. Pkt., 5c.; oz., 15c.; lb., \$2.00.

GIANT WHITE SOLID. The best large variety. Fine for market as well as family garden. Pkt., 5c.; oz., 15c.; lb., \$1.50.

BOSTON MARKET. A medium sized, hard, crisp and delightfully flavored white variety. Pkt., 5c.; oz., 15c.; lb., \$1.50.

DWARF GOLDEN HEART. In the leading Celery-growing districts this is extensively grown. It is a distinct and handsome sort. When bleached the heart is golden yellow, solid, showy and attractive. Of excellent flavor and one of the best keepers during the winter. Pkt., 5c.; oz., 15c.; lb., \$1.50.

Evans's Triumph.

The best late Celery.

THIS new Celery is of superb quality and one of the best keepers, remaining in condition for use much longer than most sorts. The very large solid stalks are of the finest quality and texture, crisp, brittle, tender and really nutty in flavor. It stands at the head of all late keeping Celeries. Pkt., 5c.; oz., 30c.; lb., \$3.00.



CELERIAC.

CULTURE—Celery can be successfully grown with but little labor, in any good garden soil, by using plenty of well rotted manure with a liberal sprinkling of coarse salt worked into it, and this mixture should be put into the trenches, working it well into the soil, at least two weeks before the plants are transplanted into them. It delights, however, in low, moist, rich bottom land, or well-drained muck-soil. It is usually grown as a second crop.

By T. GREINER. It tells how to dispense with nine-tenths of the labor generally thought necessary in celery growing, and how to make the business pay really big profits. This book is thoroughly complete in every detail, and is embellished with many helpful and original illustrations. 30 cts., Postpaid.

Perfection Heartwell.

A STANDARD sort and one of the best of the white varieties. The stalks are of good size, vigorous growth, very solid and never hollow; crisp, tender and of exceedingly fine, nutty flavor. Some of our largest growers, who have tried other sorts extensively choose the "Perfection," for the main crop, as there is no other strain which equals it for storing, and few which approach it in quality and beauty. Pkt., 5c.; oz., 15c.; lb., \$1.75.

GIANT GOLDEN HEART. A selection from Dwarf Golden Heart. The quality is grand, by some considered better than in the original variety; large size, beautiful color, crisp and deliciously flavored. One of the best celeries for market, and also desirable for home use. Pkt., 10c.; oz., 30c.; lb., \$3.00.

GIANT PASCAL. A selection from the famous Golden Self-blanching. It produces broad and thick, solid stalks of handsome appearance, which are entirely stringless, crisp and tender, and of a delicious, nutty flavor, and is absolutely free from any bitter taste. It requires but little earthing up, bleaches rapidly. It is a good keeper and for January and February use is undoubtedly unexcelled. It is a good shipping variety, free from rust or rot. Pkt., 5c.; oz., 20c.; lb., \$1.75.

NEW ROSE. The red Celeries far surpass the white and yellow in flavor and keeping qualities and the color feature renders them attractive for table decoration. We offer this as the choicest red variety. It is hardy, crisp, nutty, and one calculated to win the favor of all. Pkt., 5c.; oz., 20c.; lb., \$1.75.

OLD CELERY SEED. Used in flavoring soups, pickles, etc. $\frac{1}{4}$ lb., 10c.; lb., 35c.



Golden Self-Blanching.

THE best celery in cultivation and the most profitable for market and family use. The handsome appearance and straight, strong stalks of this celery are well brought out in the illustration. The heart is large, solid, golden yellow in color and of delicious flavor. It will turn at maturity to a yellowish white without banking, but like all other celeries is improved by having some dirt brought up to the stalks. Pkt., 5c.; oz. 30c.; lb. \$4.00.

CELERIAC,

or TURNIP ROOTED CELERY.—A variety of celery having turnip or apple-shaped roots which may be cooked, sliced, and used with vinegar, making an excellent salad. It is cultivated like celery, little or no earthing being required. Ready for use in October. One ounce for 50 feet of row.

BARNARD'S GIANT. Very large roots. Flesh white, with a stronger and sweeter flavor than other varieties. Pkt., 10c.; oz., 35c.; lb., \$5.00.

LARGE, SMOOTH PRAGUE. One of the best. Roots smooth, almost round. An excellent keeper. Pkt., 5c.; oz., 15c.; lb., \$1.25.

EXTRA LARGE ERFURT. Much prized by German gardeners. Pkt., 5c.; oz., 15c.; lb. \$1.25.

APPLE SHAPED. A new and improved sort, that keeps admirably. Pkt., 3c.; oz., 15c.; lb., \$1.25.

WASHTENAW CO., MICH.
I think the seeds we get of you are the best I have purchased from any firm.
You send the best and most seed for the money.

MRS. GEO. BAHNMILLER.

...CHICORY...

1 ounce for 100 ft. of drill.

Sow in light, rich soil in early spring in drills half an inch deep in rows one foot apart. Cultivate like Carrots. The roots are fleshy, and when dried and ground are mixed with or used as a substitute for coffee. The young leaves are used as salad and are preferred by some even to the Dandelion.

LARGE RED MAGDEBURG. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

CHIVES.

Chives belong to the Onion

tribe. They are cultivated for their tops which are used for flavoring. The clumps we offer, planted in ordinary garden soil, soon increase so that the tops can be cut during the season as required. 1 or 2 clumps are sufficient for a family garden. Clumps, 10c; by mail or express prepaid, 25c.

CHUFAS or Earth Almonds.

See page of Miscellaneous Seeds.

CORN, SWEET or SUGAR.

WELSCHKORN, Ger. MAIS, Fr.

1 qt. for 200 hills. 1 peck for an acre in hills.

All varieties may either be sown in rows $3\frac{1}{2}$ feet apart, placing the kernels one foot apart in the row, or planted in hills at a distance of 3 to 4 feet each way. The richer the soil and the taller the variety, the greater should be the distance between the hills. The first planting may be made about May 15th. For succession, plant every two weeks until August.

MAMMOTH WHITE CORY.

The Largest and Best EXTRA EARLY Sweet Corn.

A DECIDED and marked improvement on the White Cob Cory.

The ears are twelve instead of eight-rowed, very much larger and free from the open space which is such an objectionable feature of the original sort. The grain is white, the quality is good, and the beauty and size of the ears gives this variety ready sale in all markets. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

EARLY CORY (RED COB). Recognized throughout the United States as the standard early sweet corn. Ears eight-rowed with red cob and broad, light pink grains. A profitable sort to grow for early market. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

EXTRA EARLY ADAMS. This is really a field corn, but a very tender variety for table use. It can be planted earlier than any sweet corn. Ripens within sixty days. Pkt. 5c; pt., 20c; qt., 35c; pk., 90c.



UPLAND CRESS.

CORN SALAD OR FETTICUS.

1 oz. to 35 feet of row.

It is used during the winter and early spring months as a substitute for Lettuce. Cooked and served same as Spinach.

Seed may be sown in August or September, in shallow drills, and protected in cold sections by leaves or straw during the winter. Cultivate the same as Lettuce, thinning 3 or 4 inches apart.

LARGE LEAVED. Pkt., 5c; oz., 10c., $\frac{1}{4}$ lb., 20c; lb., 60c.



MAMMOTH
WHITE CORY
SWEET CORN.

CRESS or PEPPER GRASS.

KRESSE, Ger. CRESSON, Fr.

A well-known pungent salad. It can be eaten alone or with lettuce. Requires to be sown thickly in shallow drills at frequent intervals, say two weeks apart, to keep up succession as it soon goes to seed. Should be cut when quite young.

DOUBLE CURLED. For salad or garnishing. May be cut two or three times. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 40c.

UPLAND CRESS. This is a hardy perennial which remains green almost the entire year. It is ready for use before any other Salad in the spring. It has the flavor of Water Cress. Pkt., 10c.

WATER CRESS.

Can be grown in moist places fairly well, and easily where there is a supply of fresh water—on the margin of ponds, creeks, etc. It has perennial roots and increases rapidly by self-sown seeds and extension of the roots. It has a pungent flavor. Pkt., 10c; oz., 80c; $\frac{1}{4}$ lb., \$1.00.

Please note that prices quoted for pints and quarts are postage paid by us. If ordered by express deduct at rate of 10 cents per quart. One-half pints furnished at pint rates.

EARLY MINNESOTA. An old but most excellent variety both for market and home use. Ears fair size and uniform, eight rowed, kernels tender and sweet; color white. Nearly as early as Cory. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

CROSBY'S EARLY SUGAR. This is extensively grown for canning. Ears short, twelve or more rowed, grain thick and sweet. Comes in three or four days later than Minnesota. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

Country Gentleman.

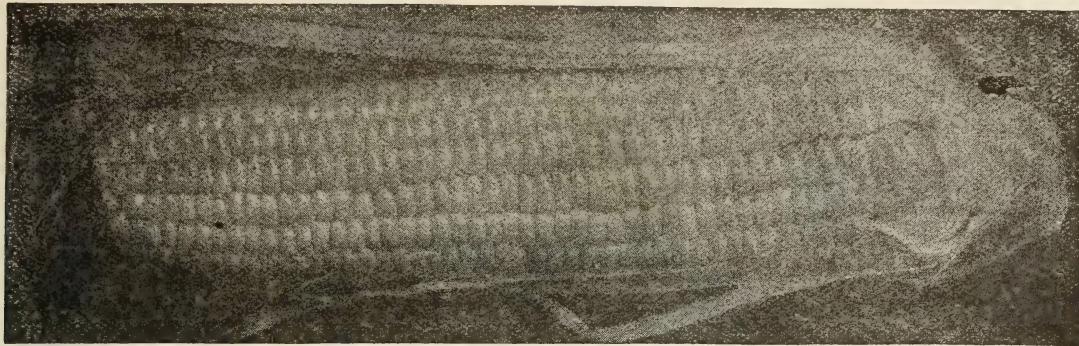
The Finest Sweet Corn for Private Use.

THE great merit of this Corn is its fine quality, being of fine, rich flavor, remarkably sweet and tender. Where quality is preferred to size, it has no equal. Ears of fair size, three to five to a stalk, cob small. Kernels pure white and long. We can not speak of it too highly as the Sweet Corn to plant for home use. Ripens about same time as Stowell's Evergreen. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

STOWELL'S EVERGREEN.

More extensively planted than any other sort, being the general favorite with market gardeners and canners for late use. If planted at the same time with earlier kinds it will keep the table supplied until October. Ears are of good size, grain deep, tender, and sugary, remaining a long time in condition for cooking. Pkt. 5c; pt., 20c; qt., 35c; pk., 85c.

SWEET CORN.—Continued.

Holmes' Prums.

AN EAR OF EARLY CHAMPION, PHOTOGRAPHED GREEN WHEN READY FOR BOILING.

EARLY CHAMPION.

The Earliest LARGE Sweet Corn.

PRODUCES ears ten inches long in 60 days. Comes in immediately after the small-eared, early sorts. It has a medium size, white cob, kernels pure white, very sweet, tender, and full of milk; yields three to four ears to the stalk. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

OLD COLONY. An old variety that is hard to beat. Ripens a little ahead of Stowell's Evergreen. Stalks grow tall and carry usually two large ears, sixteen rowed. The grain is deep, rich, and sweet; cob white. A valuable market sort, and *one of the best for canners.* Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

PERRY'S HYBRID. Nearly as early as Minnesota, with larger ears, twelve to fourteen rowed, averaging two ears to a stalk. Kernels large, cooking white and tender. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

MOORE'S EARLY CONCORD. Medium early; 12 to 16 rowed. Ears large and well filled. Good to follow Crosby. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

Chicago Market.

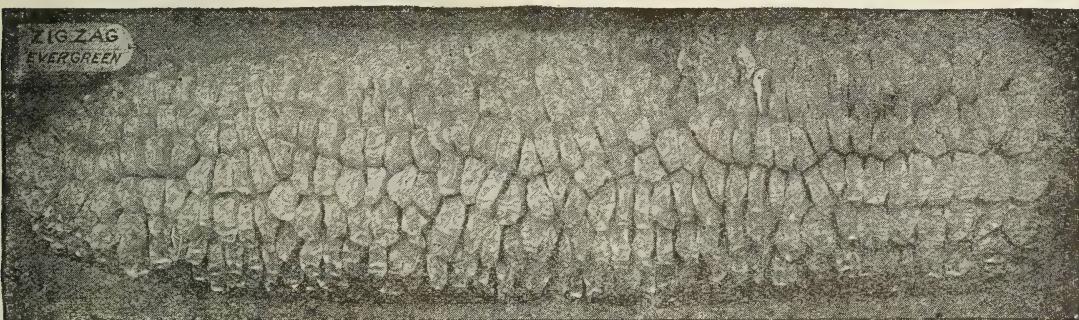
A Money Maker for the Market Gardener.

OUR local market gardeners consider this one of the most profitable varieties to plant, some of them use no other.

It has many good points to commend it, chief among which are *earliness, large size, fine appearance* (being well formed) *great productiveness*, two or three ears on a stalk, and *superior table quality*. It is twelve rowed, cob white, a stout, stocky grower, and is equally valuable for the home gardener, as the trucker. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

HICKOX. A week to 10 days earlier than Evergreen. Makes a large ear of white and handsome grain on a white cob. Remains in condition a long time. The best sort for drying and canning. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

BLACK MEXICAN. Although the ripe grain is black or blue-black in color, the corn when in condition for table, cooks *almost white*. It is very sweet and tender. Once tried in the family garden it is sure to be continued. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

**ZIG ZAG EVERGREEN.**

THIS illustration (taken from a photograph of a dried ear) gives a better idea of its characteristics than can be described. Hitherto Stowell's Evergreen has been the standard and favorite late corn, but it must now take its second place. Zig Zag is *sweeter*, has *larger ears*, is much more *productive* (yielding 2 to 4 ears to the stalk) and remains fit for use *longer than Stowell's* or any other variety. For canning factories it is unequalled. *Private planters* and *market gardeners* who once try this will use no other late variety, for, beyond all doubt, it is the best large eared late Sweet Corn produced up to the present time. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

POP CORN. The boys will thank you to order some for them to plant. We have seed that is very choice. It pops large and white. Pkt., 5c; $\frac{1}{2}$ lb., 20c; 1 lb., 30c.

Early Evergreen Sweet Corn.

MAMMOTH SUGAR. Ripens a little later than Evergreen. Large ears. Kernels flat. Largely used by canners and market gardeners. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

EGYPTIAN, or Washington Market. This matures very late. Invaluable for canning; ears large, twelve to fifteen rowed, grain is sweet and tender. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

KENDEL'S EARLY GIANT. This extra early variety of Sweet Corn is of recent introduction, and is a good variety. The ears grow extremely large for such an early ripening variety of Sweet Corn, often measuring eight to ten inches in length. The grains are pure white, and are very sweet and tender. Ready for use in sixty to seventy days after planting. Pkt., 10c; pt., 20c; qt., 35c; pk., 90c.

FIELD CORN

and SWEET CORN for Fodder.
For prices and description see

pages 49 and 50.

SLUG SHOT
KILLS
THE BUGS.

CUCUMBER.

GUERKEN, Ger. PEPINO, Sp. CONCONBRE, Fr.
1 oz. for 50 hills; 3 lbs. in hills per acre.

SLUG SHOT
KILLS
THE BUGS.

THE Cucumber is a tender annual and should never be planted in open ground until settled weather arrives, for general crop about the middle of May. For pickles, plant in June or to about the middle of July. By far the best results are obtained from plantings in warm, rich sandy loam. Prepare hills 4 feet apart each way, and mix with the soil of each a shovel full of well rotted compost. Sow thickly, and when all danger of insects is past, ("Slug Shot" is sure death to the striped cucumber beetle), thin out all but three or four of the stockiest vines in each hill. As the cucumbers attain sufficient size, both the perfect and the imperfect specimens should be picked at once, as fruit left upon the vines to ripen soon destroys their vitality, and consequently their productiveness.

SIBERIAN.

Very early, at least a week ahead of Early Russian. Of quick, short growth, fruit small, green, just the size so much esteemed for table pickles. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

COOL AND CRISP. As a Cucumber for slicing we know of none better. Long and slim, pointed at the ends, very dark green, almost black. One of the earliest. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

EXTRA EARLY GREEN PRO-LIFIC. Matures fully ten days earlier than the well-known Green Prolific. Market gardeners will find it very advantageous to plant this strain. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.

EARLY FRAME. An old and popular variety, bearing fruit of good size, straight and well formed. Desirable for pickles. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.

EARLY GREEN CLUSTER. Hardy and vigorous bearing fruit in clusters near the root. Desirable for table use. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 20c; lb., 60c.

EARLY RUSSIAN. For small pickles this is a good sort to cultivate. Grows about 4 inches long and is very hardy. Pkt. 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.

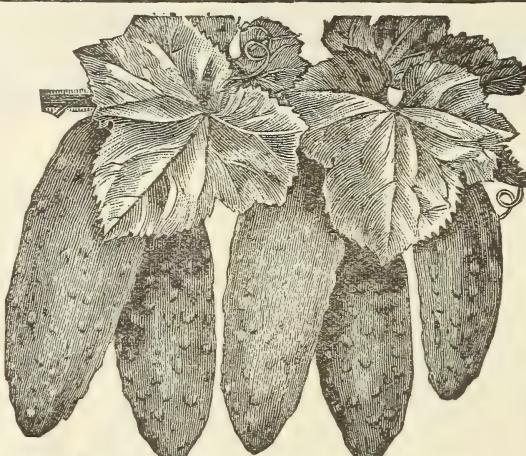
Arlington White Spine.

THIS is a favorite market variety, largely used for forcing as well as for out-door cultivation. It is *early*, of good size, always *straight and smooth*, and very *prolific*. Color dark green, never turns yellow, and excels in crispness and fine flavor. Pkt. 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

NICHOL'S MEDIUM GREEN. Is good for early forcing, and for slicing and pickles. Color, dark green, flesh crisp and tender. Some pickle growers think this is the best variety for the purpose. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 20c. lb., 60c.

GREEN PRO-LIFIC. Great bearer of medium sized fruit that is excellent for slicing as well as for pickling. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.

GHERKIN or BURR. From the West Indies. A very small oval sort, grown exclusively for pickles. Prolific to an extraordinary degree. Seeds are slow to germinate. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.



WESTERFIELD'S CHICAGO PICKLE.

THIS is now recognized all over the country as the **BEST Cucumber for pickles**. It is valuable for slicing also, being of fine flavor. The fruit is of medium length, pointed at both ends, coarsely prickled; color dark green. Our Chicago pickle factories use this variety to a large extent. Pkt., 3c.; oz., 7c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

deep green color in all stages of growth. Fruit is quite long, smooth and handsome. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 20c; lb., 60c.

IMPROVED LONG GREEN. Long and smooth. One of the very best for sweet pickles. Firm and crisp with very few seeds. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Japanese Climbing Cucumber.



This new Cucumber is a strong and vigorous grower, the vines attaining nearly twice the length of common varieties. The young plants are bushy, but as soon as they become well established they begin to climb, and may be grown on fences, poles or trellises, thus saving much valuable space in small gardens or where land is expensive. It is estimated that with this Cucumber *the product of a given area can be increased three-fold*. The fruits are ten to twelve inches in length, of a fine green color; the flesh is thick and firm, never bitter, and fine for pickling, as well as slicing. It is very prolific, the vines are proof against mildew, and continue bearing until late in the fall. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 55c.

For Frames and Forcing.

Sow the seeds in small pots early in the year.

TELEGRAPH. Fruit grows about 18 inches in length. Light green, smooth skin. An abundant cropper. Pkt., (25 seeds,) 25c.

EGG PLANT.

EIERPFLANZE, Ger. AUBERGINE, Fr.

1 oz. for 1,000 plants. For price on plants see vegetable plant list.

Any good garden soil will answer, provided it be in a sheltered position and be well cultivated. Sow in hot-bed in March; when two inches high, transplant into a second bed or thin to 4 inches apart. Plant in open ground at commencement of summer weather, setting out in rows $2\frac{1}{2}$ feet apart each way. Carefully protect from intense sun, drought, weeds and potato bugs. Throughout its growth take every precaution to avoid chilling. Use *Slug Shot* if you notice potato bugs on your egg plants.

NEW YORK IMPROVED PURPLE. This is known by market men everywhere. Fruit spineless; large, oval; skin purple, flesh white, quality excellent. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

BLACK PEKIN. Very early; fruit nearly round, skin smooth, dark and glossy; flesh white and fine-grained. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

EARLY LONG PURPLE. Hardier than other sorts; does well almost anywhere; fruit long and dark purple in color. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.50.

ENDIVE.

ENDIVIEN, Ger. CHICOREE, Fr. 1 oz. will sow 150 feet of drill.

Its leaves, when properly blanched, make a tender and delicious salad for fall and winter use. Should be sown in July. When the leaves are eight to ten inches long, tie the tops together to blanch the heart and remove the bitter taste. Lift late in fall with a ball of earth attached and place close together in a frame or cellar.



GREEN MOSS CURLLED ENDIVE.

GREEN MOSS CURLLED. A unique variety, somewhat resembling a tuft of moss. Very crisp, tender and of good flavor. Being less hardy than other sorts, it requires protection from cold. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

BROAD-LEAVED BATAVIAN. Has slightly wrinkled, thick leaves. These, when blanched, make a delicious summer salad. It is usually grown for use in soups and stews. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

GARLIC.

KNOBLAUCH, Ger. AIL, Fr. 1 lb. to 10 ft. drill. A bulbous-rooted perennial, much valued for flavoring soups, stews, etc. It thrives best in a light, well-enriched soil. The root or bulb is composed of many small bulbs called "cloves," which are planted in the spring, six or eight inches apart. In August the tops die down, when the bulbs are ready to gather. Cultivate and store, same as onions. Fine bulbs, $\frac{1}{4}$ lb., 15c; lb., 30c, postpaid.



SAGE. SWEET MARJORAM. SUMMER SAVORY.

HERBS

Pot, Sweet and Medicinal . . .

Herbs in general delight in a rich, mellow soil. Sow the seeds early in spring in shallow drills, one foot apart; when up a few inches thin out to proper distance or transplant. Care should be taken to harvest them properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack close in bottles or dry boxes to exclude air entirely.

Varieties marked with an * are perennials.	Pkt.	Oz.
Anise. Used for seasoning and garnishing	5	10
*Balm. For cooking purposes	5	25
Borage. Leaves are used as a salad	5	15
*Caraway. Seeds used medicinally and in bread	5	10
Coriander. Seeds used for flavoring	5	10
Dill. Leaves used with pickles, seeds for flavoring soups and vinegar	5	10
Fennel. Seeds for flavoring; leaves for garnishing	5	10
*Horehound. Has medicinal qualities	5	20
*Lavender. Its flowers are used in the manufacture of oil and distilled water	5	15
Marjoram, Sweet. Used for seasoning	5	15
*Pennyroyal. For medicinal purposes	10	
Rosemary. Leaves used for seasoning	5	20
Saffron. Used for coloring	5	15
Sage. Leaves are used in stuffing and sauces	5	15
Savory, Summer. Used for seasoning	5	10
*Thyme. For seasoning	5	30
*Wormwood. Has medicinal properties	5	15

We can supply any of above in larger quantities.

KALE. See *Borecole*.

HORSE RADISH. This is not reproduced from seed, but planting pieces of roots called "sets." These, planted small end down about two inches below the surface, will produce radish in one season. As it increases very rapidly, any out of the way location in the garden should be chosen. Small roots, doz., 25c; 100, 75c, by mail, postpaid. Write for special price in large quantities.

KOHL RABI.

TURNIP ROOTED CABBAGE.

KOHLRABI, Ger.

CHOU-RAVE, Fr.

1 oz. to 2,000 plants.

WHITE SHORT LEAVED. Much superior to Vienna. It is very early and the best for forcing as well as for outdoor culture. Bulb is greenish-white, smooth, of finest texture and quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

EARLY WHITE VIENNA. Early; small, white bulb. Best for table use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

EARLY PURPLE VIENNA. A little later than the white; color purple. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.25.

LEEK.

LAUCH, Ger.

POIREAU, Fr.

1 oz. to 150 ft. of drill.

LARGE AMERICAN FLAG. This is the sort chiefly grown by market gardeners. It is of excellent quality, mild flavor and uniform. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.25.

MUSSELBURG. (Scotch Champion.) Large and broad leaves. Flavor mild and pleasant. A good Leek. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

MONSTROUS CARENTAN. The largest variety, often three inches in diameter, and becoming very white and tender. A very hardy and desirable sort, which is worthy of more extended cultivation. Pkt. 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

LETTUCE.

LATTICH, Ger. LAITUE, Fr. 1 ounce will sow 150 feet of drill.

There are two distinct classes of Lettuce. One forms HEADS like cabbage; the other merely produces LOOSE LEAVES. The so-called "Head Lettuce" are those most generally cultivated especially in the home garden. All of them are of good flavor, solid, crisp, and tender.

MONG the many varieties of Curled or Leaf Lettuce there is no one better fitted for the general use of market gardeners and the private cultivator than *Black-Seeded Simpson*. It is suitable for growing under glass as well as for early outdoor planting. Forms a compact mass of thin leaves which are tender and of excellent quality. *By far the most popular Lettuce with the market gardeners of Chicago and elsewhere.* Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Grand Rapids Forcing.

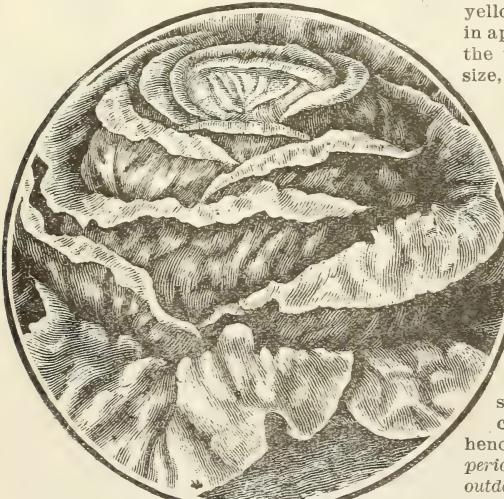
THERE is nothing superior, if it has an equal, to this for greenhouse forcing for market. It is also a desirable variety to sow in the open garden in early spring. The *Grand Rapids* is of rapid growth, and may be planted close; not liable to rot, standing several days after attaining full size, without injury; retains its freshness for a long time after being cut, hence much SOUGHT AFTER BY DEALERS. The plant is upright, and forms a loose head of large, light-yellowish green leaves, which will stand shipping long distances better than most sorts. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

EARLY CURLLED SIMPSON. Excellent for forcing. It forms a compact mass of leaves, more curled than those of Black-seeded Simpson. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

BIG BOSTON.

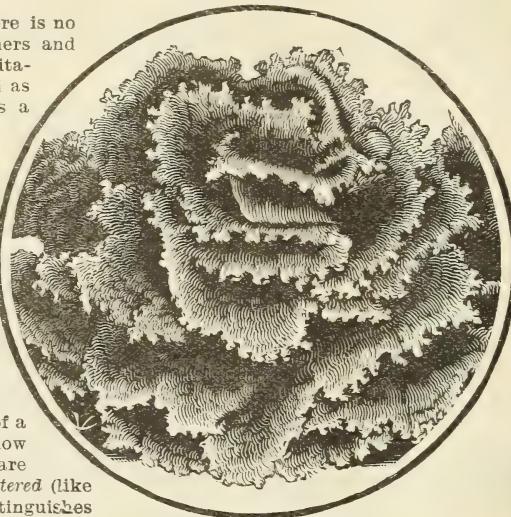
THE BEST MIDSEASON or Summer Lettuce.

A valuable sort for open ground or forcing. It resembles the well-known Boston Market; The heads are much larger, and mature a week later. This variety does well under great variations of temperature. Pkt., 5c; oz., 10c; lb., 25c; $\frac{1}{4}$ lb., \$1.00.



BIG BOSTON LETTUCE.

The Lettuce is universally grown by all those who have gardens. It is of easy growth and will thrive in any ordinary garden soil. Sow thinly in rows one foot apart, and when large enough thin out the plants so as to leave room for growth. To obtain good Lettuce all through the season it is necessary to make sowings at short intervals, for Lettuce during the hot months is apt to become bitter, and run to seed.



BLACK-SEEDED SIMPSON LETTUCE.

Denver Market Forcing.

NEARLY and entirely distinct variety of Lettuce, either for forcing or open ground. It forms good-sized HEADS of a light-green color and is slow to run to seed. The leaves are beautifully marked and blisters (like Savoy cabbage), which distinguishes it from any lettuce now grown. The leaves are very crisp, tender, and of excellent flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Improved Hanson.

For outdoor culture there are none more reliable than this. In rich ground, well cultivated, the heads grow to resemble small cabbages. Outer leaves green, white within, having no better taste. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

CALIFORNIA CREAM BUTTER.

A summer lettuce whose rich cream-yellow leaves are most refreshing in appearance; rich and buttery to the taste. The heads are of good size, round and solid, and slow to go to seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

PRIZE HEAD. One of the best, large, curled or leaf lettuce for the home garden. The leaves are tender, bright green, tinged with red, slightly crimped, crisp, and of good flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Tilton's White Star.

Forms heads of enormous size and bright color, which keep crisp a long time after cutting, hence valuable for shipping. Superior for forcing as well as for outdoor planting. Keeps a long time before running to seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

St. Louis Market.

NONE of the best lettuces for all purposes. It cannot be recommended too highly. It will stand summer heat, and is slow in going to seed. Forms medium-sized heads, compact and solid. Leaves thick, rich, and nutty in flavor. Our sales of this variety to market gardeners are constantly increasing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

STANDARD SORTS.

Any of the following: Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

All Year Around.

Black Seeded Tennis Ball.

Early Curled Silesia.

Salamander.

Yellow Seeded Butter.

White Seeded Tennis Ball.

COS, OR CELERY, LETTUCE.

The Cos Lettuces are distinct from the other sorts, in having long, narrow, spoon-shaped leaves, which usually fold into loose sugarloaf-shaped heads, which blanch better by having the outer leaves drawn about them and tied.

Trianon. A self-blanching sort. The leaves, when blanched, are crisp and tender, and stiff, like celery stalks. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

Paris White. Light-colored, very brittle, tender leaves. Head elongated and conical. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

MUSK MELON.

MELONE, Ger. MELON, Fr.

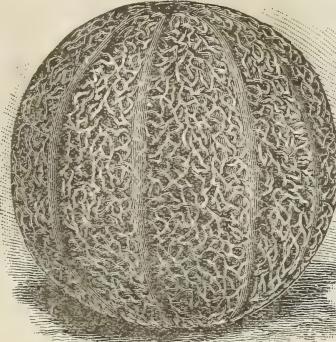
1 ounce to 60 hills; 2 to 3 lbs. per acre in hills.

well up and all danger from bugs has passed, thin gradually, leaving finally 2 or 3 of the stockiest vines to hill. Should the fruit set too thickly, thin when young, in order to increase the size and the quality of the remaining melons. This also hastens ripening.

✓ Ashes or lime is excellent to sift over the young plants to prevent the attack of insects. Use *Slug Shot* to kill them.

EXTRA EARLY HACKENSACK. Ripens fully ten days ahead of the old Hackensack, which it much resembles. Being a good shipper it is largely grown at the South and sent to Northern markets. Fruit large, round and deeply netted. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

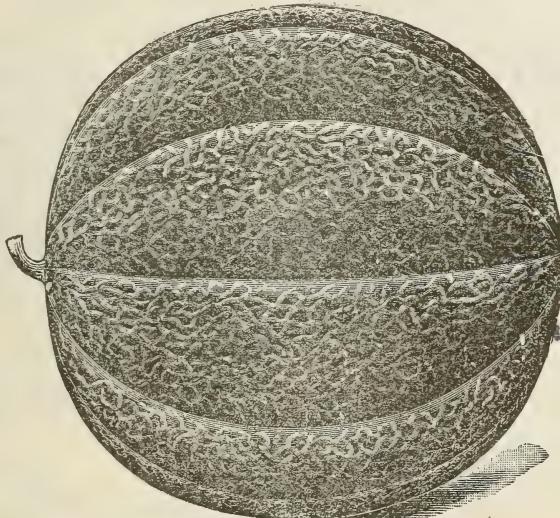
NETTED GEM. One of the earliest and the best *small green-fleshed melon in cultivation*. It is grown for shipping in baskets to almost every market in the country. The fruit, while not large, is remarkably uniform in size, globular in shape, skin light green and deeply netted. In flavor it is most delicious. *Truly a gem.* Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



NETTED GEM.

LONG ISLAND BEAUTY.

A new variety of the Hackensack type, originated on Long Island. It possesses so many advantages over that well-known sort that it is destined to supersede it. The skin is densely netted. In form it resembles the Hackensack but is more ribbed and of handsome appearance. Besides its *superior quality* it has also *earliness* to commend it for approval. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



TIP TOP.

MONTREAL MARKET. To all who wish to raise the most beautiful melons for exhibition, or extra large fruit for the market we recommend this variety. Very authentic reports are recorded of these melons having been grown to the weight of *nearly forty pounds each*. In Canada, where they are chiefly grown under glass, twenty-pound melons are common. Fruit is almost round, flattened at both ends, deeply ribbed and netted; skin green. Flesh very thick, light green, and of delicious flavor. It is a sure and heavy yielder. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



NEW LONG ISLAND BEAUTY MELON.

IMPROVED GREEN NUTMEG. A large melon, nearly round. Flesh greenish yellow and of delicate flavor. The seed we offer is most carefully selected and we know it will give satisfaction. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

PAUL ROSE. A valuable melon for shipping in baskets. Fruit about five inches in diameter, nearly round. Solid with very small seed cavity. Flesh salmon color and of good quality.

Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 85c.

Musk melons thrive best in a warm, rich, sandy loam. After thorough spading or plowing, make hills 6 feet apart each way and mix with the soil of each two shovelfuls of well-rotted compost. The hills should be 18 inches in diameter, 15 inches in depth, and raised about 3 inches above the surface of the land. As soon as warm weather becomes established, plant 12 to 15 seeds in a hill. When plants are well up and all danger from bugs has passed, thin gradually, leaving finally 2 or 3 of the stockiest vines to hill. Should the fruit set too thickly, thin when young, in order to increase the size and the quality of the remaining melons. This also hastens ripening.

✓CHICAGO MARKET.

This exceedingly valuable nutmeg variety, originated as a result of careful selection, with one of Chicago's most successful market gardeners and melon growers. It continues to hold the highest place in the estimation of market men, holding its own year after year against all comers. It matures early, ripens evenly, and is of uniform size. The fruit is large, nearly round in form, and flattened at the ends. Flesh thick and of most delightful flavor. It is a green fleshed variety, and in good demand among the Chicago hotels. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

✓Champion Market.

The flesh is thick, light green in color, and of rich, sweet flavor, well maintaining the promise of quality that is indicated by the deep ribs, heavy netting and handsome appearance. The melons are of the same form and outer appearance as Netted Gem, but are *three times the size*. It is early and very productive, frequently bearing seven perfect melons on a single vine. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

ROCKY FORD. A new and valuable melon which, within a very short time, has attained national fame for dainty appearance, excellent quality, and delicacy of flavor. It is of the Netted Gem Type, oval in shape, averaging four in. in length. Flesh has a delightful aroma, is juicy and rich, color greenish white. Nearly all prominent hotels, east and west, now include the Rocky Ford melon in their bill of fare. Pkt., 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

TIP TOP. There is a distinctness about this melon which readily enables any one to select it in a group. The universal testimony of every one cultivating the Tip Top is, that every fruit produced, whether big or little, early or late in the season, is a good one—*sweet, juicy, fine flavor*, firm, but not hard fleshed, eatable to the very outside coating. As a yielder it is not surpassed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

CHRISTIANA. Recommended because of its *extreme earliness*, being of the quickest growth of any on record. Flesh yellow, sweet, juicy, and of good quality. It is best just as it falls from the vines, hence adapted particularly to the family garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

MUSK MELON.—Continued.

✓ **SAGE OR MILLER'S CREAM.** This is more largely grown for the Chicago market trade than any other Musk Melon. It is exceedingly popular throughout the West, and in its season is served on all hotel tables and leading restaurants. The shape is pointed-oval, somewhat resembling a coconut. Medium size, color dark green, slightly netted and of a rich orange color where the melon lies on the ground. The flesh is thick, salmon-colored, and in quality is hard to beat. Thin rind and very small cavity. We have some extra choice seed of this fine melon. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb. 75c.

✓ **EMERALD GEM.** A small, very early sort, that is without doubt *the most delicious table melon extant*. Form, flat-round. Flesh, deep orange, very thick, with small seed cavity. Skin smooth, dark green. *The quality is all that can be desired*. This melon is not a good shipper. We commend it to all for home use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.



STRAWBERRY MUSKMELON.

STRAWBERRY MUSK MELON. This, the latest production of an expert melon originator, was first introduced by us. Its outward appearance compares favorably with the old Green Nutmeg, turning to a yellowish hue overnight, when

ripe. Flesh red, soft to the rind, exceptionally sweet. Grows to a desirable market size, about 6 to 8 pounds each. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SURPRISE. An early and very prolific variety, bearing good-sized melons of first quality. It has a *thin*, cream-colored skin, and *thick*, salmon-colored flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

BANANA. An entirely distinct variety. It grows from eighteen inches to two feet in length. Fruit long, slender and banana-like. When ripe it smells like one having a delightful fragrance. Skin creamy white, not netted; flesh salmon color when the melon is ripe. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

WATER MELON.

WASSERMELONE, Ger.

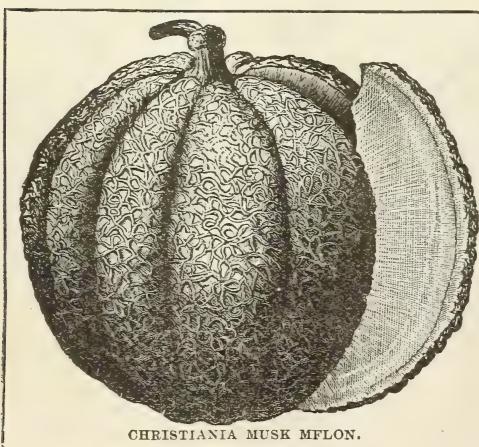
MELON D'EAU, Fr.

1 oz. to 30 hills, 4 to 5 lbs. in hills to an acre.

✓ **COLE'S EARLY**

A delicious and productive variety for the family garden, succeeding in Northern States. It is so early that it matures in every State; very hardy; the flesh is deep red in color, clear to the rind, and is most sweet and delicate in flavor. It is exceedingly brittle, and hence cannot be shipped to distant markets, but is most desirable for the home garden. Pkt., 5c; oz., 7c; $\frac{1}{4}$ lb., 20c; lb., 60c.

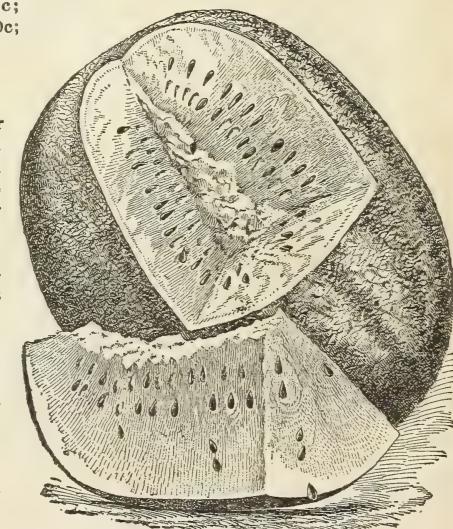
✓ **MAMMOTH IRON CLAD.** A monstrous, striped, oblong melon, having a rind of such remarkable strength and impenetrability as to render it perfectly "iron-clad," hence the best shipper produced to date. Flesh red, sweet, tender, crisp and juicy. Heart very large. The keeping qualities of this melon are remarkable. Whether plucked or left upon the vines, they remain perfectly fresh fully one month after ripening. In addition to the foregoing facts it is the most remarkable yielder on record. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.



CHRISTIANIA MUSK MELON.

VINE PEACH or MANGO MELON. The vine on which they are borne is similar to the musk-melon, and requires the same cultivation. The fruit is about the size of a large peach, and of a bright orange yellow color, somewhat russeted. They are easily cultivated, wonderfully prolific, and can be used in every way like a peach.

Pkt. 5c; oz. 20c.



SWEET-HEART WATER MELON.

The culture of the Water Melon is very similar in all respects to that of the Musk varieties. Being hardier, and of much more vigorous habit, however, it may be planted in May, before settled warm weather appears, in hills not less than 8 feet apart, and thinned to two vines per hill. If melons of largest size are the object, remove all but a few when quite small.

✓ SWEETHEART.

This variety has no equal as a melon to ship to distant markets, and it is so attractive in appearance that it is readily sold when all others are a drug. Of the largest size, a little longer than thick, but nearly globular in shape. Skin very bright, beautiful mottled green. Flesh bright red, firm and heavy, but crisp, melting and exceedingly sweet. This melon is not only a good keeper, but it improves in quality for a long time after ripening. Seeds dark gray. That which we offer is grown from the original stock, and is genuine Sweet Heart.

Pkt., 5 c;
oz., 10 c;
 $\frac{1}{4}$ lb., 20c;
lb., 60c.

WATERMELON.—Continued.

CUBAN QUEEN. Fruit, medium to large; oval; skin striped, light and dark green. Flesh bright red, sugary, and crisp. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

KOLB'S GEM. Grows to a large size and is an excellent shipper having a tough skin. Form oval; flesh red, firm, and solid. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

BLACK DIAMOND. A cross between Kolb's Gem and Hoosier King. Its prominent point of merit is its **extreme size and productiveness**. Melons weighing from 75 to 90 lbs. are frequent. Form somewhat oval; skin dark green, almost black. Quality equal to Sweet-heart. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; 1b. \$1.00.

KLECKLEY SWEETS. One of the

best flavored melons in cultivation—possibly the best table melon to-day. It is better for home use than for shipping. Form large, ova; skin dark green; flesh scarlet, ripening almost clear up to the skin.

Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c.

PEERLESS, OR ICE CREAM. Medium size; nearly round; skin mottled gray, flesh pink and sweet as honey. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

DIXIE. It is conceded to be the *best shipper* and keeper grown. It is larger, **ten days earlier**, more beautifully striped and of finer appearance than Kolb's Gem. Skin dark green, striped, flesh bright deep scarlet, sweet, tender, and juicy. **A most valuable cropper.** Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

GEORGIA RATTLESNAKE.

Fruit large, shape oblong, rind dark green striped and mottled, flesh red, of fine quality. It stands shipment long distances. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

MOUNTAIN SWEET. Form oval; skin dark green, flesh scarlet. One of the best melons for the home garden. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

DARK ICING. Form round; medium size; skin dark green; flesh scarlet. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

LIGHT ICING. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

HUNGARIAN HONEY. Globe shaped, ripening early. A superb melon for family use. Skin dark green; flesh bright red, sweet, and luscious. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

DUKE JONES. An extra early, round, very large melon. One of the best for eating as well as for market. Rind green, flesh red, of fine flavor. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

PHINNEY'S EARLY. Excellent for early market. Oblong. Rind mottled; flesh red brittle, and tender. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

PRIDE OF GEORGIA. Form nearly oval. Skin dark green, flesh red. A first-class variety for home use. Not suitable for shipping. Pkt. 5c; oz. 7c; $\frac{1}{4}$ lb. 15c; lb. 50c.

TRIUMPH. The points of excellence of this really good melon are earliness, fine shape, thin, tough rind, great productiveness, attractive color, and excellent quality. It is a cross between Duke Jones and Kolb's Gem. It has the handsome appearance of the former and the shipping qualities of the Gem; very early, prolific, deliciously sweet, and of enormous size. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 75c.

HOOSIER KING. The melons grow oblong, and are of an even diameter through their entire length. Flesh bright red, solid, and sweet. Rind striped light and dark green; thin but very hard, making it a good shipping sort. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c.

CITRON. It should be borne in mind that this variety is not eaten in its raw or natural condition. It makes preserves of the finest flavor. Form round; striped and marbled with light green. Flesh white. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 70c.

(For other Watermelons see p. 32.)

MELON GROWERS, ATTENTION!

The varieties of melons listed here are all first class, some being more suitable for one purpose and some for another. Our seeds have been grown by careful specialists, and can be depended on to produce good crops of true to name melons.

MUSHROOM SPAWN.

CHAMPIGNON BRUT, Ger. CHAMPIGNON, Fr.
Ten pounds will spawn about ten feet square.

ROBINSON'S MUSHROOM CULTURE.—A book giving directions how to raise Mushrooms. Postpaid, 50c.

MUSHROOMS, HOW TO GROW THEM, By Wm. FALCONER.—The most complete book published in America on the cultivation of Mushrooms. Per copy, \$1.50, postpaid.

MUSHROOMS are much enjoyed as a table luxury and with proper conveniences may be had almost the year around. The Spawn can be planted in anything capable of keeping the necessary materials together in a greenhouse, cellar or shed, where the right temperature can be secured.

CULTURE: Mix thoroughly three parts of horse manure, free from straw, with one part old pasture soil. Make a bed in the cellar, or anywhere that a temperature of 50 to 70 degrees can be maintained; make the bed of any size or shape to suit, but have the compost from 8 to 10 inches deep. When the heat has subsided to about 90 degrees, plant pieces the size of a walnut, 3 inches deep and 6 or 8 inches apart, pressing the compost compactly. After 8 or 10 days cover the bed with 2 inches of loam and top of this 3 or 4 inches of hay or straw and work it down evenly. After the bed has been spawned do not water unless quite dry and when necessary use luke warm water only. The mushrooms will appear in 6 or 8 weeks if the temperature is right.

ENGLISH MUSHROOM SPAWN. In bricks weighing about one and one-fourth pounds each, per brick, postpaid, 25c. By express, not prepaid, lb., 15c.; 10 lbs., \$1.25.

MARTYNIA.

THIS is quite ornamental in growth, quickly forming large bushes and bearing handsome *Gloxinia*-like flowers. When young and tender (test by pinching with the nail) the seed-pods make excellent pickles, and as they are produced in great abundance, a few plants will suffice for an ordinary garden. Sow in May or June.

MARTYNIA PROBOSCIDEA. The best variety for pickles. It is well worth growing, as the large plants with their handsome pods attract great attention, and the young seed-pods make delicious pickles. Per pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; per lb., \$3.00.

MUSTARD. SENF, Ger. MONTARDO, Fr.
1 oz. sows 75 feet of drill.

The young leaves are used in early spring with cress, lettuce, etc. Sow thickly in shallow drills a foot apart and cut when a few inches high. May also be boiled and eaten like spinach.

WHITE. Excellent for salads or garnishing. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

BLACK or BROWN. Leaves oblong, broad and cut. Seeds reddish brown. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

NASTURTIUM, Indian Cress.

If growing for seed, plant in poor soil; when cultivated for flowers or leaves the ground cannot be too rich.

TALL VARIETIES. The seeds, while young, are used for pickles, the highly ornamental flowers and leaves for garnishing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

DWARF VARIETIES. Beautiful colored flowers. Pkt., 5c.; oz., 12c.; $\frac{1}{4}$ lb., 35c.



WHITE VELVET OKRA.



The accompanying illustration was made from a photograph and portrays a single stool of Mushrooms grown by a Chicago gardener from our special brand **English Mushroom Spawn**. Our Spawn can be thoroughly depended upon. It is reliable and as we import frequently is *always* fresh.

OKRA or GUMBO.

ESSBARER SAFRAN, Ger. GUMBO, Fr.
1 oz. sows 50 feet of drill.

fine salad. Sow after weather becomes warm in rows three feet apart, two feet apart in the rows. Will succeed in any good garden soil.

IMPROVED DWARF. A distinct early variety. Pods comparatively short but very numerous. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

WHITE VELVET. A valuable new variety characterized by its round, smooth pods, free from ridges and seams. It is the most prolific Okra now offered, bearing 16 to 20 remarkably white pods per stalk; all well filled with tender, well-flavored fruit, rich in mucilaginous properties. Most desirable for all purposes for which Okra is used. Dried in the shade the pods can be used for soups at any time. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

... PEANUTS ...

When sending your seed order don't forget to order a few Peanuts for the boys and girls. It's lots of fun to cultivate Peanuts and ensures the young people a supply for the winter. Peanuts are a paying crop to grow.

EARLY VIRGINIAN. Remarkably early, of large size and very productive. Of spreading habits cultivate in ridges. $\frac{1}{2}$ lb., 15c.; lb., 25c., postpaid.

SPANISH. The stems grow upright instead of spreading. Planted in May they yield a bountiful crop of nuts in September. This is a good variety on which to fatten hogs. $\frac{1}{2}$ lb., 15c.; lb., 25c., postpaid.

ONION SEED OF HIGHEST QUALITY. REASONABLE IN PRICE.

THE NEW ONION CULTURE

BY T. GREINER.

PRESENTED to every purchaser of five pounds or more of Onion Seed, or sent postpaid to your address for 50c.

ANY ARTICLE which is used in quantities proportionately large becomes an article of sharp competition, and this business rivalry naturally leads to strife to produce the commodity at lowest possible price. This, in many things, is legitimate and desirable, but emphatically NOT SO in **Onion Seed**. Nevertheless the effort to offer Onion Seed at low prices has the tendency to make the grower less careful in its cultivation, the result being seeds not of the high quality appreciated by experienced planters.

We still stand on the platform of **HIGH QUALITY** and instruct our growers to give us **THE BEST** at the necessary advanced cost price.

GLOBE ONIONS are preferred by some growers to those of any other shape. They do not occupy any more space in the row; they weigh out and measure more and their attractive appearance finds for them ready sale in market.

EARLY RED GLOBE. Very early, at least two weeks more so than Red Wethersfield. Skin deep red, flesh mild and tender. In bottoming and cropping qualities, first class. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

LARGE RED GLOBE. Of medium size, spherical, with small neck. Deep, rich color and handsome form. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50.

WHITE GLOBE. An onion of beautiful appearance, with clear white skin. Flesh snow white, mild flavored. A heavy cropper and a splendid keeper. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 55c; lb. \$2.00.

SOUTHPORT YELLOW GLOBE. Of the same shape as Red and White Globe, but the color is rich yellow, flesh white, fine grained, and mild flavored. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.35.

YELLOW GLOBE DANVERS. The product of this seed will not average so uniform in shape and other desirable points as our selected strain. It will, however, be found fully equal to the standard of Yellow Globe Danvers, as usually sold. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.10.

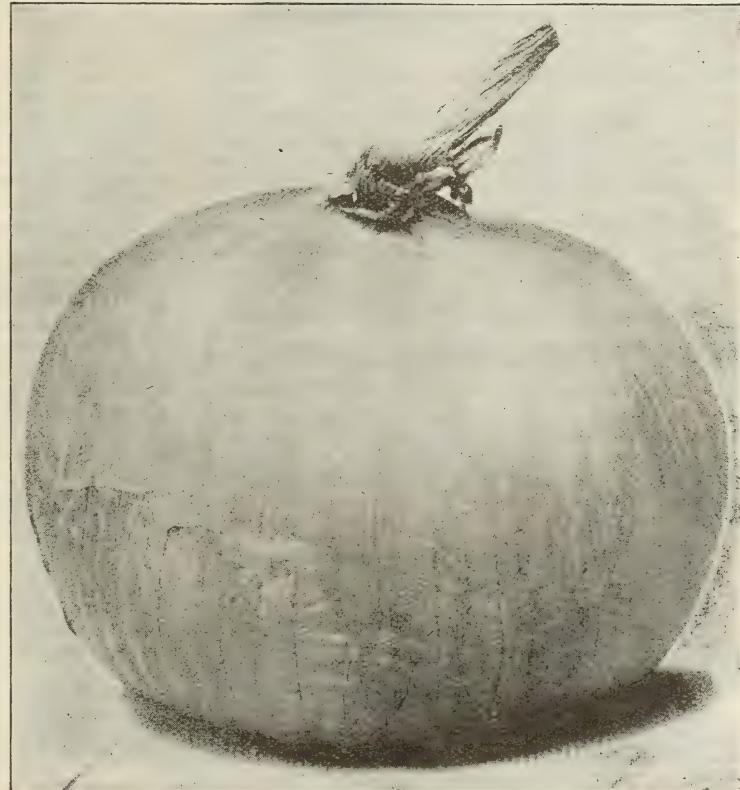
1 ounce to 200 feet of drill. 5 to 6 lbs. are required for an acre.

At prices quoted, WE PAY THE POSTAGE. If the seed is forwarded by freight or express at the expense of the purchaser, 10 CENTS PER POUND may be deducted. If you wish to purchase more than one pound, write us, stating quantity and variety desired, and we will quote promptly.

CULTURE. The Onion is most successfully grown in a rich, sandy loam. Continued cultivation upon the same plot of ground, contrary to the general rule, rather improves the crop than otherwise.

As early as the ground can be worked in the spring, sow the seed, in drills 14 inches apart, covering half an inch. When the plants can just be seen in the rows, commence hoeing, just skimming the surface. Subsequently weed thoroughly and carefully by hand. When the tops die, pull the Onions and spread evenly over the ground; stir or turn until thoroughly dried, then cut the tops off one-half inch from the bulb.

For sowing Onion Seed and cultivating the crop, the grower will find a great advantage in possessing a **GOOD SEED DRILL** and **HAND CULTIVATOR**. (Please refer to pages 98, 99, and 100 of this book for illustrations and descriptions of these implements.)



Barnard's Selected Yellow Globe Danvers Onion.

The Finest Strain in Cultivation. A Most Popular and Valuable Sort. Produces the Onions Which Command the Highest Price in Market.

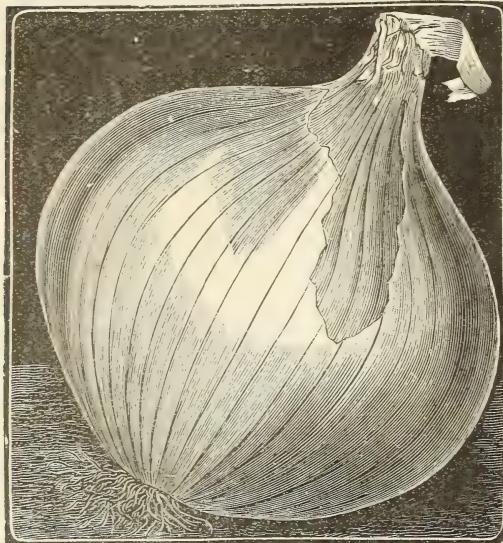
WHILE this Onion is suitable for and yields profitable crops on all classes of soil, it is especially good for **muck land** on account of its quick maturing qualities.

The firm, solid bulbs are all that can be desired in size and quality. Being excellent winter keepers, they are sought after in all onion markets.

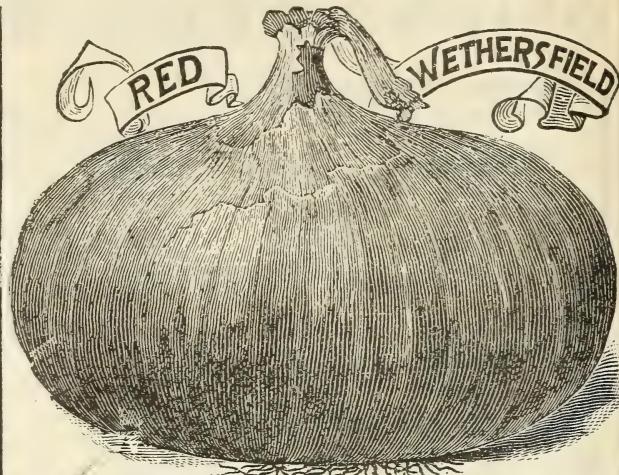
Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50; postpaid.

The onions from this strain of seed ripen early and all at once. They are **DISTINCT AND ATTRACTIVE IN SHAPE, HANDSOME, BRIGHT EVEN COLOR; NECKS VERY SMALL.**

A conservative estimate of the yield per acre on well-cultivated soil may be stated at 500 to 600 bushels from seed sown in the spring.



PRIZETAKER ONION.

✓ **LARGE RED WETHERSFIELD.**

A Standard and Profitable Variety
for the Market Gardener.

The best variety
for main crop
ripens in Septem-
ber. Bulbs are

large in size, purplish-red in color. This onion is a **sure** and **heavy yielder**, and its **keeping qualities** are among the **very best**. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

✓ **EXTRA EARLY RED FLAT.** Matures very early, yields abundantly, and is of mild flavor; medium size, deep red, close grained, solid and heavy. An excellent market variety and a good one to use where the growing season is short. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

EXTRA EARLY LONG KEEPING
AUSTRALIAN BROWN ONION.

WHILE this Onion has been on the market for a comparatively short time, it has proved itself one of the most valuable ever sent out. Planted with Red Wethersfield it ripened nearly four weeks earlier. Bulbs are medium size, hard and solid. The color of the skin is a clear amber-brown, in marked contrast to that of all other onions. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb., \$1.25.

ONION SETS.

1 quart to 40 feet of drill.

Sets furnish large onions early, as well as the first green onions for table use. They should be planted near the surface in drills about 12 inches apart and 4 inches in the rows as early in the spring as the condition of the ground will permit.

For raising sets about 40 to 50 lbs. of seed to the acre are sown in wide rows, the seed being drilled in quite thickly.

The prices named below are for sets by mail postpaid. If you wish to purchase in larger quantities, write for prices.

	QT. POSTPAID.
White Bottom Sets,.....	30c
Yellow " "	30c
Red " "	30c
Potato Onions.....	35c
Top Onions.....	30c
White Multipliers.....	45c
Yellow Multipliers or Shallots.....	35c
Egyptian or Tree	25c

GARDEN-MAKING . . .

*A book of reference and instruction for
the amateur as well as the skilled gardener.*

It is full of valuable suggestions for the utilizing of the home garden, whether that garden be a city backyard or an inclosure of acres. **Gives in simple language such information as every man or woman who buys a single packet of seed is in need of.** No modern American work exists which covers this important field. Garden-Making is profusely illustrated. Price, \$1.00, postpaid.

✓ **THE PRIZETAKER ONION** is globe shaped. Color, clear bright yellow. By early sowing and transplanting (as recommended in *The New Onion Culture*) this onion can be grown to an extraordinary size. In market it attracts instant attention and brings good prices. *It is one of the largest, handsomest, and most profitable varieties grown.* Has a small neck, ripens up hard and keeps well until midwinter. Flesh, white, thick, mild, and agreeable in flavor. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

✓ **MICHIGAN YELLOW GLOBE.**

ON RICH, black soils professional onion growers have found this particular strain to be one of the best to cultivate. The bulbs while globe-shaped have a somewhat flattened base. They are of good size, have small necks; color rich orange. A heavy yielder and excellent keeper. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

✓ **WHITE PARIS SILVERSKIN.** An early, small round variety, excellent for bunching and for pickling. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.60.

✓ **WHITE BARLETTA.** An excellent variety for pickling and as a substitute for sets. It is noted for **extreme earliness**. Color, pure waxy white; flavor, mild and agreeable. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$2.00.

✓ **WHITE PORTUGAL.** A large, flat, clear, white-skinned onion of handsome appearance and mild flavor. It is desirable for family use and is also planted for sets and pickles. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 55c; lb. \$2.00.

✓ **QUEEN.** Bulbs very small and flat; flesh white and of a delicate flavor. Sown in February, they will make onions one or two inches in diameter early in the summer. Very early and of rapid growth, and keeps the year round. Fine pickling variety. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; lb. \$2.00.

✓ **YELLOW DANVERS.** This differs from Yellow Globe Danvers in that the bulb is flatter. Being a heavy yielder it is largely cultivated both for market and home use. It is also grown to a considerable extent for sets. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.10.

✓ **YELLOW DUTCH OR STRASSBURG.** This is the kind chiefly used around Chicago and elsewhere for sets. It is later, flatter, and has a darker colored skin than Yellow Danvers. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.

Parsley.

PETERSILIE, Ger. PERSIL, Fr.
1 ounce will sow 150 feet of drill.

Soak the seeds a few hours in luke-warm water and sow early in spring in drills one foot apart. Thin out the plants to four inches. To preserve in winter transplant to a light cellar or glass frame. Used for garnishing and seasoning soups, meats, etc.



CHAMPION MOSS CURLLED PARSLEY.

FINE DOUBLE CURLLED. A curled variety having crimped leaves. It is used mostly for garnishing. Pkt, 5c; oz, 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

PLAIN OR SINGLE. Plain leaves of excellent flavor. They are longer than those of the curled Parslies. Packet, 3c.; oz., 7c.; $\frac{1}{4}$ lb., 15c.; lb., 60c.

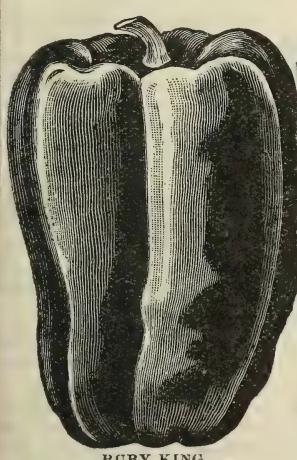
HAMBURG. The edible portion is the fleshy root. It is highly esteemed for flavoring soups, stews, etc. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for the purpose, and for pickling. The mild, sweet varieties like **Golden Dawn** and **Ruby King** are used for mangoes, while the small fruited sorts are best for sauces.

CULTURE.

Peppers are more tender than most vegetables. The seed should be sown in a hotbed, cold frame, or if no other convenience, a box in the window, and transplanted about the last of May. They can be sown in the open ground when the weather becomes warm and settled. Warm, mellow soil, well fertilized, should be used.

CELESTIAL. An upright grow-ing pepper of clear, sharp flavor. Pkt, 5c; oz., 20c.



RUBY KING.

LARGE BELL or BULL NOSE. Much esteemed for making chopped pickles. One of the earliest varieties. Flesh thick and hard, and not so pungent as some others. Pkt, 5c; oz, 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.

GOLDEN DAWN. Color, beautiful yellow, making a handsome appearance both in growth and on the table. Mild and sweet. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

RUBY KING. The mildest pepper in our list. Grows from four to six inches in length by three to four inches in diameter. Color, bright ruby red. Pkt, 5c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

CAYENNE. Used for pickles and making pepper sauce. Pods cone-shaped, small, red, very pungent. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

CHERRY RED. A small, smooth, round variety of dwarf growth. Fruit at maturity, glossy scarlet. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

Parsnip.

PASTINAKE, Ger. PANAIS, Fr.
1 ounce will sow about 150 feet of drill.

Cultivate as for Carrots. It is customary to leave Parsnips in the ground over winter as frost improves the quality of the roots. The Parsnip is valuable not only as a table vegetable but for stock feeding purposes also.

MAGNUM BONUM. It gives the utmost satisfaction and yields the most money to the market gardener because of its decidedly handsome appearance, smooth, heavy roots, which are broad at the shoulder, fine grained and of superior quality. Packet, 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

HOLLOW CROWN. An old standard sort, long, sweet, and very productive. One of the best for general cultivation. Packet, 3c.; oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

IMPROVED GUERNSEY. This is a good, half-long variety, having smooth roots. It is of good quality and recommended for the family garden. Pkt., 3c.; oz., 7c.; $\frac{1}{4}$ lb., 15c.; lb., 45c.

EARLY ROUND. The earliest. Roots are of small size. Sometimes used for bunching with pot herbs. For shallow soils use this sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

MAGNUM BONUM
PARSNIP.

PEPPER.

PFEFFER, Ger.
PIMENT, Fr.

1 oz. seed to 1500 plants.

SWEET MOUNTAIN. Fruit very large, long, often eight inches or more in length, skin smooth, green when young, and red at maturity. Flesh thick, sweet, and mild. This sort is much in use to stuff for mangoes. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.00.



GOLDEN DAWN PEPPER.

GARDEN PEAS.

ERBSEN, Ger. POIS, Fr.
1 quart will sow about 125 feet of drill.
1 1/2 bu. an acre.

Prices for packet, pint, or quart include postage. When purchased over our counters or if forwarded by mail or express at buyer's expense, 8 cents per pint or 15 cents per quart may be deducted from our prices.

Extra Early Peas of Dwarf and Medium Height.

Barnard's "Leader."

The Earliest of the Earlies.

ALL WHO have tried the "LEADER" pronounce it worthy of first place. In this Pea are combined not only earliness, but size and quality. It retains its fresh appearance a considerable time after picking, making it an admirable variety for shipping.

Grows about 30 inches high. Vines vigorous. *Extremely prolific*. The pods being numerous and *well filled* with smooth, round peas of good size and delicious flavor. Ripens early and with such uniformity that the vines can be stripped at one picking.

On account of its extreme earliness the "LEADER" is decidedly valuable not only to market gardeners, but to the private planter who wants the earliest obtainable. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.50.

Alaska.

24 inches. A very early, profitable market variety, also excellent for home use. Bears well-filled, dark green pods, which can be shipped a long distance without losing color. Peas round, blue.

Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

Nott's Excelsior.

15 inches. The Earliest and Best Dwarf Wrinkled Pea. The pods average fully one third larger than the American Wonder, and while it may not always be quite so early by a few days, are all ready for picking at one time. Each pod contains 6 to 8 large peas, which are unusually sweet. *There is no better Early Pea.* Pkt., 5c; pt., 25c; quart, 45c; pk., \$1.80.

PREMIUM GEM. 15 inches. Is an extra early dwarf sort, an improvement on Little Gem. Pods long, dark green. One of the most profitable peas for market or family use. It has been successfully used for forcing under glass. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.20; bu., \$4.50.

PEAS will endure a good deal of cold either above or in the ground. The small seeded early sorts, such as our LEADER, Alaska, and First and Best, can be sown while frost is yet in the ground, while larger and sweeter peas sown at the same time would rot in the ground. *Sow some of the early, second early, and late varieties at intervals of about two weeks apart*, and your table will be supplied with delicious peas for a long time.

Dwarf growing Peas require very rich soil and *need no support of any kind*; tall growing sorts should be trained to wire trellises or supported by brush. Wrinkled peas (indicated * thus) are the sweetest and are recommended for the home garden.

Figures preceding description of varieties indicate height in inches.

*The "Surprise" Pea.

One of the Earliest Wrinkled.

SARDINERS who have been looking for a choice wrinkled pea which would come into market as soon as the extra early smooth kinds, will find it in SURPRISE, for though *fully as early as the earliest hard sorts* it has the delicious sweetness which belongs only to wrinkled peas. Vines about 24 inches high. Pods thick and chunky, making a fine appearance when exposed for sale. It is unsurpassed in quality. Pkt., 10c; pt., 25c; qt., 40c; pk., \$1.35.

FIRST and BEST. 30 inches. Stocky and vigorous grower. Each vine bears from three to five pods, which mature well together. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

RURAL NEW YORKER. 30 inches. Makes handsome, well-filled pods. Almost all can be removed at one picking. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

GRADUS, or Prosperity.

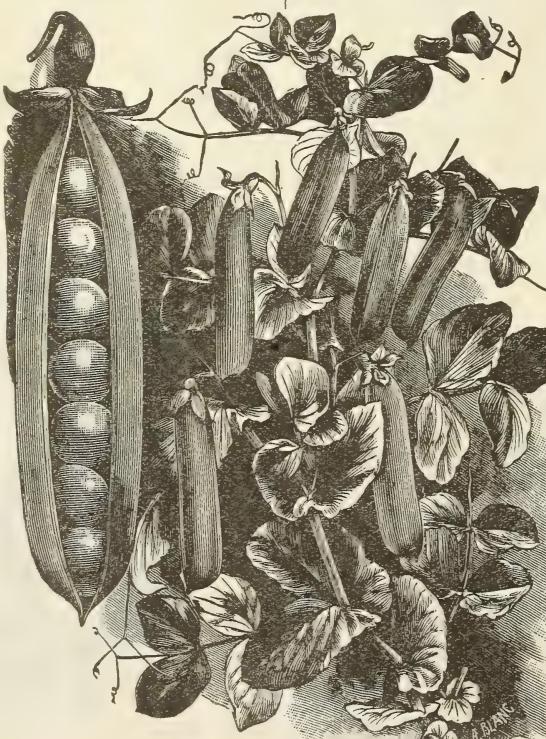
30 inches. Earliest large-podded pea in existence. Not only large and of highest quality, but nearly as early as round, smooth peas. Pods average 4 to 6 inches long and contain 8 to 10 peas. One of the best introductions in years and constantly growing in favor. Pkt., 15c; pt., 50c; qt., 90c.

*American Wonder.

10 inches. Its dwarf habit of growth makes it well suited for the home garden. Produces peas in quantity and of excellent quality. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.65.

BLUE PETER. 12 inches. Dark green foliage, with large, well-filled pods. A great yielder. Peas of good quality. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

McLEAN'S LITTLE GEM. 18 inches. A few days later than First and Best. *Matures in 8 weeks*. When in a green state, the peas are sweet and delicious. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.20; bu., \$4.50.



BARNARD'S LEADER.

✓ Second Early Peas.

***Heroine.** 30 in. Bears a profusion of long, slightly curved, pointed pods containing 8 to 9 peas of fine quality. An immense cropper, yields much more than ordinary varieties. A great favorite for market purposes. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

SHARPE'S QUEEN. 30 in. Follows Heroine in its bearing season. Pods quite large; peas oval; dark green. Quality good as the best. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

✓ Dwarf Telephone.

A condensed description of this new pea may be given by stating that it is the famous old Telephone, minus its long vines, and bred to a uniformity of height.

In habit it is dwarf and stocky — about 18 in. high. The peas are of largest size, tender, and delicious flavor. This variety is earlier than the well-known Telephone. Pkt., 10c; pt., 25c; qt., 45c.

***ABUNDANCE.** 18 in. One of the best and most satisfactory peas for general use. Long, roundish, well-filled pods. Sow seed thinly, as this variety has a marked tendency to branch. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.25.

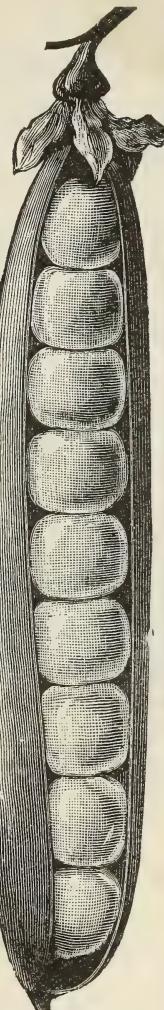
✓ SHROPSHIRE HERO. 30. A strong, robust grower, producing large peas in abundance. The pods are even better filled than those of Telephone. Market gardeners who have tried this sort speak most highly in its favor. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.25.

✓ Admiral Dewey.

The largest podded pea of which we have any knowledge. Height, 3½ feet; foliage, vine, and pod rich dark green, producing pods frequently six inches in length, beautifully shaped, well filled with peas of largest size, tender, and first-class flavor. Pkt., 5c; pt., 25c; qt., 40c, postpaid. Pk., \$1.60.



HEROINE.



TELEPHONE.

✓ IMPROVED STRATAGEM.

For a main crop, wrinkled pea, it is difficult to find one better than this. For home use or for market purposes no error will be made in selecting IMPROVED STRATAGEM. Grows 2 feet high. An abundant yielder; large, handsome pods. It gives satisfaction to every planter and makes money for the market gardener. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

***CHAMPION OF ENGLAND.** 4½ feet. A standard late variety, adapted to the requirements of the private planter and professional gardener. Peas dark green. Comes in bearing just after Stratagem. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

✓ DUKE OF ALBANY. 3½ ft. Good for market, and especially so for the home garden. Long, large, thick pods. Peas of first class quality. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

✓ TELEGRAPH. 42 inch. Earlier than Champion of England; an excellent cropper. Pods large size and well filled with green peas of excellent quality. Popular with eastern truckers and market gardeners. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

EDIBLE PODDED

Pods tender and succulent; in flavor equal to the best string beans. They are gathered while young, not shelled, but boiled whole. They can be made ready for the table in 10 or 15 minutes, and are good even when quite old. Excellent also for pickles.

✓ DWARF SUGAR. Pkt., 5c; pt., 25c; qt., 40c; pk., \$1.65.

**M ARKET
E N'S
M ONEY
A KERS.**



Barnard's Leader.
The Earliest of the Earlies.
Surprise. A First Early Wrinkled Pea.
Telephone. See Illustration.
The Best of all LATE Peas.

**Nott's Excelsior
Heroine** • • •
Duke of Albany

They may all be planted the same time. Will be ready for use in succession and furnish an abundance of delicious Peas all summer.

**Three
Best Peas
For Table Use.**

Main Crop and Late Peas.

Telephone. Selected stock. Immensely productive. Leaves coarse; vines grow 4 feet high. They produce enormously, and eight or ten pods to a vine. The pods are very large; so well filled with peas of excellent quality that Telephone has become one of the most prominent late peas to be grown for market. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.35.

✓ Peas.**SECOND EARLIES.****LATE VARIETIES.****Peas.**

The following standard sorts can be supplied.

Packets of each at 5c.

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SECOND EARLIES.

POTATOES FOR SEED.

A CHANGE OF SEED
ALWAYS PAYS.

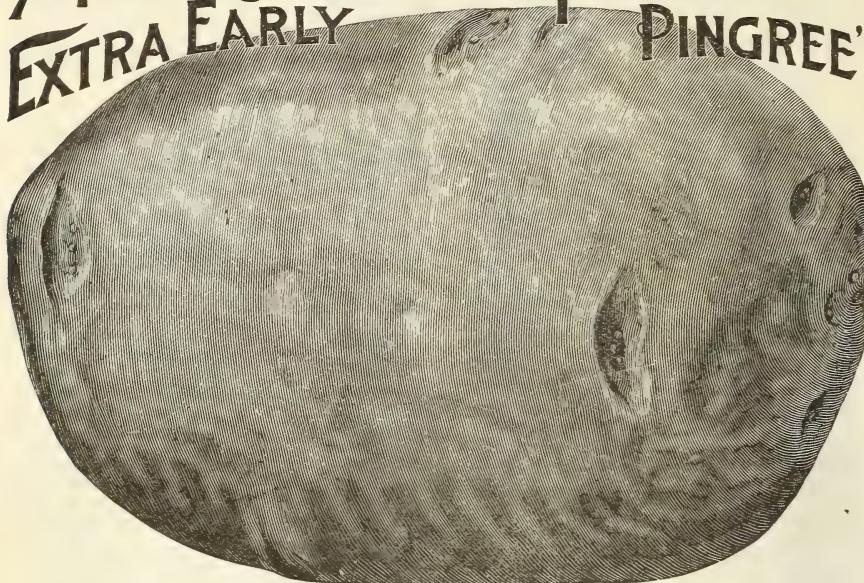
In drills 3 ft. apart, 10 to 12 bushels to the acre. 1 peck will plant about 125 hills.

BECAUSE of the short potato crop in 1901, and the extremely high prices ruling, an unusual demand for Seed Potatoes is anticipated. This, combined with short supplies of seed stock, has decidedly advanced prices on all varieties. We offer at prices named, subject to being unsold on receipt of order. Parties who wish to buy in large quantities, please write us. Our bbls. contain 2½ bu. Say how we shall ship. Freight on one bushel will cost no more than for a peck. At prices quoted, potatoes are forwarded by express or freight as directed. We make no charge for sacks or barrels, nor for cartage to depots. The purchaser pays transportation charges and assumes risk of heating or freezing.

Small quantities by mail or express prepaid, lb., 25c; 3 lbs., 75c.

A FIRST CLASS
EXTRA EARLY

"POTATO
PINGREE"



EARLY SIX WEEKS.

Without exception the earliest Potato in existence.

MEDIUM size, smooth, oblong; skin pink, flesh white, tubers grow close together in the hill, and grow so rapidly that under favorable circumstances they are fit for family use *in six weeks from the time of planting*, and mature in ten or eleven weeks. We call this a good potato, and can confidently recommend it for the market or home garden. Pk., 60c; bu., \$1.75; bbl., \$4.50.

RURAL NEW YORKER

No. 2.

CHIS is a medium, second early potato which is now well and favorably known the country over, as a large yielder and of excellent quality. A profitable variety to raise, as it is quoted in all leading markets.

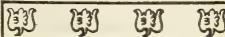
Tubers nearly round, flattened, with very smooth, pure white skin, always attractive in appearance. One of the very best varieties now in cultivation. Pk., 55c; bu., \$1.50; bbl., \$3.50.

PINGREE
Combines
Extra Earliness,
Good Size,
Beautiful Form,
Table Qualities,
and Productiveness.

THE PINGREE is a Michigan seedling, named in honor of the ex-governor of that State. This potato is AN EXTRA EARLY and a great yielder. Tubers are round and regular in form, with shallow eyes, white skin somewhat netted. They grow closely together in the hill and attain an edible size in a remarkably short time. Quality first-class, cooking up dry, white, and mealy. Pk., 60c; bu., \$2.00; bbl., \$5.25.

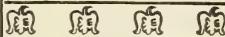
CARMAN No. 1.

IT is intermediate in ripening, and resembles the Rural New Yorker No. 2 in shape, and also in having very few and shallow eyes. The flesh is white and quality perfect. An enormous producer of very large and handsome tubers. Pk. 55c; bu., \$1.50; bbl., \$3.50.



SOME FARMERS plant any kind of potatoes on soil of any quality, and harvest the crop. Unprofitable results may be traced to lack of care, cultivation, and most generally the use of worn-out stock seed.

The best fertilizers are plaster, lime, super-phosphate of lime, and bone meal.



EXTRA EARLY OHIO.

STANDARD extra early Potato, maturing two weeks ahead of the Early Rose. A special favorite with marketmen, and the most profitable sort they can grow. It gives satisfaction in all parts of the country. The tubers are much smoother and of better shape than the Early Ohio. They are smooth, free from scab, and grow compactly in the hill; are easily dug; very few small ones, almost every one being of marketable size.

Pk., 55c; bu., \$1.50; bbl., \$4.00.

CARMAN No. 3.

DOUBTLESS the most popular late potato of the newer varieties. It yields great crops of fine, large, smooth potatoes, even under the most unfavorable circumstances, and can be relied upon to bring in money. Its good appearance, uniformity of shape, size (average one pound each), and productiveness make this a leading variety to grow for market. It has but few eyes, and they are very shallow. The skin and flesh are extremely white, no hollow or dark parts. Cooks up dry and mealy every time. Pk., 60c; bu., \$1.50; bbl., \$3.50.

POTATOES FOR GENERAL CROP.—Continued.

Sir Walter

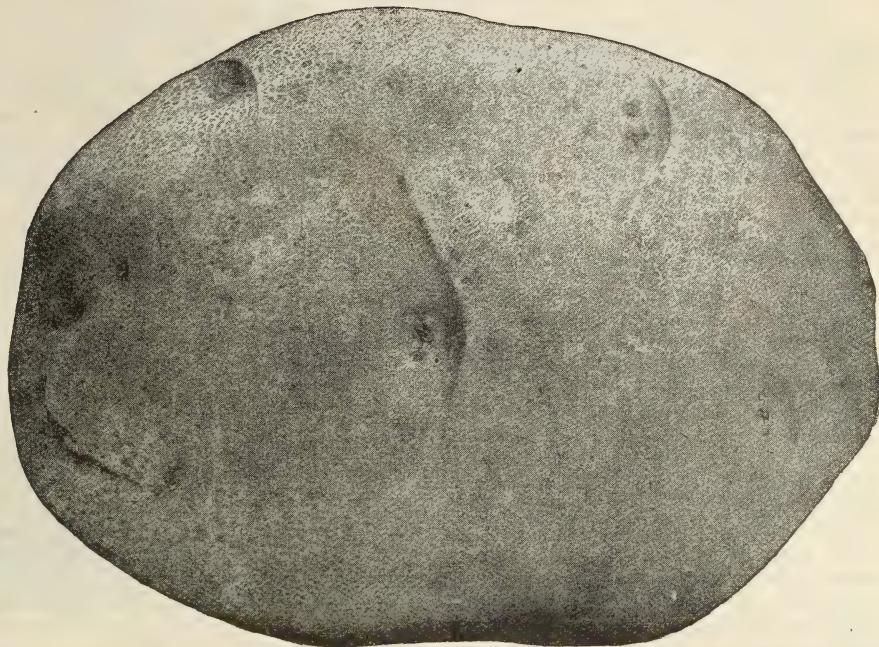
Raleigh.

Illustrated on back cover
of this book.

A Grand New

MAINCROP POTATO.

It closely resembles its parent Rural New Yorker No. 2, but is more uniform and yields practically no small tubers, every one being marketable. It is from 4 to 6 days later than R. N. Y.; the color of the skin is the same but the flesh is whiter and of better quality. Pkt., 60c; bu., \$1.75; bbl., \$4.50.



SIR WALTER RALEIGH.

Seed Sweet Potatoes.

Choice stock grown and handled expressly
for seed purposes.

Please order early giving date you wish them shipped.
Unless specially ordered to do so we do not ship until plant-
ing time.

We pack Seed Sweet Potatoes for shipment in boxes and barrels with greatest care but as Sweet Potatoes are very susceptible to climatic changes we assume no responsibility for their condition after leaving our hands.

The following are kept in stock:

YELLOW NANSEMOND, YELLOW JERSEY,
RED BERMUDA.

Any of the above, packed carefully in boxes or barrels,
Pkt., 50c; bu., \$1.50; bbl., \$3.50.

...PUMPKIN...

KUERBIS, Ger. **POTIRON**, Fr.
1 oz. to 15 hills; 4 to 6 lbs. to an acre.

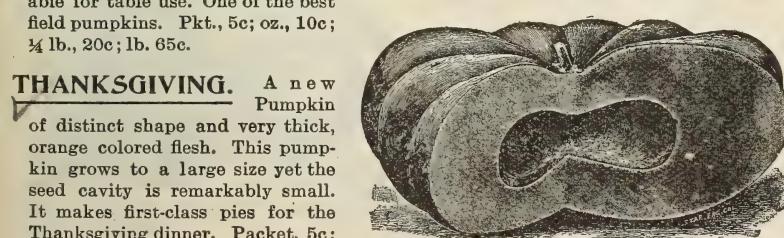
JAPANESE PIE PUMPKIN. Seeds peculiarly sculptured.
Ripens early. Flesh thick; salmon colored; fine grained, dry
and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

CALHOUN. Color outside is yellowish-brown, flesh salmon
yellow, flesh thick and of splendid quality. Pies made from it
are delicious to eat. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

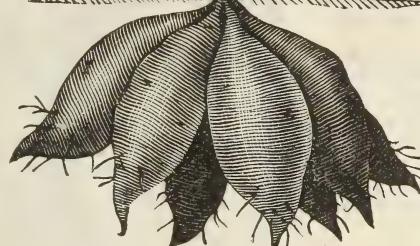
CONNECTICUT FIELD. Oz., 5c; $\frac{1}{4}$ lb., 10c; lb., 25c.

LARGE CHEESE. Its fine flesh and rich color make it val-
uable for table use. One of the best
field pumpkins. Pkt., 5c; oz., 10c;
 $\frac{1}{4}$ lb., 20c; lb., 65c.

THANKSGIVING. A new
Pumpkin of distinct shape and very thick,
orange colored flesh. This pump-
kin grows to a large size yet the
seed cavity is remarkably small.
It makes first-class pies for the
Thanksgiving dinner. Packet, 5c;



THANKSGIVING PUMPKIN.



SWEET POTATO PLANTS.

We can supply these in their season in any desired quantity. For prices on these and any other vegetable plants see end of Vegetable seedlist.

For large quantities special quotations will be given on application.

The seeds are planted with corn or potatoes, but may be profitably raised in fields by themselves. Sow early in May in hills eight feet apart. For monster Pumpkins for exhibition purposes plant Mammoth Tours in very rich ground and feed liberally with liquid manure.

WINTER LUXURY.

As a cooking variety and winter keeper it stands unequaled.

It is nearly round, 9 to 10 inches in diameter; of a golden yellow color, netted like a muskmelon. Pkt., 5c, oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

TENNESSEE SWEET POTATO. Pear shaped. Color of skin and flesh creamy white; flesh thick, when cooked resembles sweet potatoes. Keeps until late in spring. This is an old favorite pumpkin. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

SUGAR. An excellent small, round Pumpkin, with deep orange colored skin, flesh sweet and sugary. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 50c.

MAMMOTH TOURS. Grown chiefly for exhibition purposes and for stock feed. It grows to an enormous size, frequently weighing over one hundred pounds. Skin salmon color, flesh yellow; keeps a long time. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

..RADISH..

RETTIG, Ger.
RADIS, Fr.

1 oz. to 100 ft. of drill; 9 or 10 lbs. per acre in drills.

The growth must be rapid to insure those qualities upon which the Radish depends for excellence, viz.: crispness, succulence and mildness of flavor. A fine, dry, sandy loam, enriched and made light with well-rotted manure and a liberal dressing of salt is best adapted for the purpose, all heavy soils producing directly the opposite results from those desired.

For an early supply sow in a hot bed in February, care being taken to give abundant ventilation to prevent running to leaves. For open air culture and succession, sow from middle of March until September at intervals of a week or ten days.

✓ EARLY SCARLET TURNIP, White Tipped, Forcing Strain.

THIS Radish, beautiful in form and of handsome appearance, is extremely early, being ready for use in two or three weeks after planting. On account of its small tops this radish can be grown planted very closely together. Desirable for hot bed and greenhouse planting. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

✓ EARLY SCARLET TURNIP, White Tipped. Among the Chicago gardeners this is by far the most popular early Radish, or for planting in succession. Tops and roots both small, skin bright scarlet shaded to white at the tip; flesh white, mild and crisp. An ornamental variety of quick growth, desirable for forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

✓ EARLY SCARLET TURNIP. A round, deep scarlet variety, desirable for general use. Flesh white, mild, and crisp when young. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

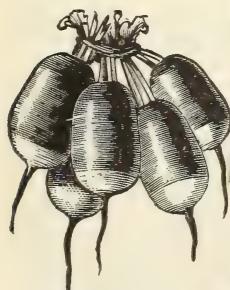
✓ EARLY WHITE TURNIP. Same as above, except in color. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.

WOOD'S EARLY FRAME. Fully ten days earlier than Long Scarlet, shape not quite so long. An excellent forcing or early market sort. Color, scarlet; fine flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

LONG SCARLET, SHORT TOP, IMPROVED. The standard sort for out-door culture in private gardens and for market. Root 6 to 9 inches in length, straight and smooth, growing half out of the ground. Color is brilliant scarlet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

NE PLUS ULTRA. A very superior early, forcing Radish. It will mature in 18 to 20 days. The tops are quite small, the roots are globular with deep red skin; flesh white, crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

✓ EARLY YELLOW TURNIP. A most delicious radish. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



FRENCH BREAKFAST.

✓ EARLIEST CARMINE OLIVE. A new, distinct and beautiful variety of great forcing value. The roots are crisp and tender, much larger than those of the turnip sorts, while the tops are far smaller. A most valuable variety for the enterprising market gardener. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

✓ EARLY ROUND DARK RED. This new radish is one of the quickest growing and handsomest extra early varieties in cultivation. Its richness of the color of skin, crispness, and oval shape makes it one of the most attractive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

✓ FRENCH BREAKFAST. Skin scarlet on the body, and white at the extremity; flesh white, tender, and mild. Of rapid growth. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

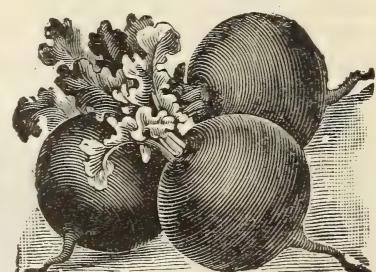


EARLY SCARLET GLOBE.

✓ EARLY SCARLET GLOBE. Market Gardeners' Improved Strain.

WE illustrate a bunch of Scarlet Globe Radishes (made from a photograph) raised by one of our local gardeners. This Radish forms large, handsome, bright scarlet roots. For forcing under glass in the greenhouse, hot-beds or cold frames there is no better paying variety than this, and it sells better than most others. In flavor it is mild, crisp, juicy and tender. It makes a small top and will stand a great amount of heat without becoming pithy. Sown in the open ground in early spring it will produce radishes 5 or 6 days ahead of all others. Pkt., 3c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

✓ ROSY GEM. It is one of the very earliest in cultivation; globular, with rich, deep scarlet top, blending into pure white at the bottom. Exceedingly tender, crisp and delicious, very desirable for forcing, being fit to pull in three weeks from sowing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.



EARLY ROUND DARK RED.

RADISH—Continued.

PHILADELPHIA WHITE BOX. A white turnip-shaped radish of extra fine quality. Its short top and rapid growth make it most suitable for growing under glass, in frames or boxes, as well as for early sowing in the open ground. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

BRIGHTEST LONG SCARLET, or Cardinal. This fine French variety is of strikingly beautiful appearance. Color, vivid scarlet tipped with white, and for so long a radish is *very early*, being fit for use in twenty-five days after sowing the seed. Excellent for the home garden and especially desirable for market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

IMPROVED CHARTIER. A long and unusually large American sort, which is one of the very best for outdoor sowing. Roots bright crimson in upper portion, shading into white at the tip. Comes in quite early, remaining crisp and mild much longer than many others. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

LONG WHITE VIENNA, or Lady Finger. Straight, smooth, white roots; fine grained, white flesh; tender, crisp and juicy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

GIANT WHITE STUTTGART. Root very large, heart-shaped, and of vigorous, quick growth, maturing in five weeks; skin and flesh white, the latter constantly brittle and mild flavored at all stages of development. Remarkably slow in running to seed, even in severest heat. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

WHITE STRASBURG. This variety is now the **most popular** summer radish grown. Of handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent, very tender, and of a delightful, pungent taste. It can be pulled five weeks from time of sowing the seed, yet it will continue to grow without losing its fine quality, and remains in a tender condition longer than any other summer sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

...RHUBARB...

A deep, rich soil is most suitable for Rhubarb. It is usually propagated from divisions of the roots. Seed may be sown in drills an inch deep, the young plants being afterwards thinned out to six inches apart. In fall, reset the young plants into highly manured, deeply dug soil. Do not cut the leaf stalks until the second year, and never allow the plants to run to seed.

VICTORIA. Leaf stalks very tall and large, frequently weighing 2 pounds each. Skin thick and red-stained. Pulp quite acid. Very productive and profitable for market gardeners. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

LINNÆUS. The earliest variety grown, and quite desirable for small market or family garden. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

RHUBARB ROOTS.

Set out in spring they will furnish leaf stalks the following season. We offer the largest variety only. *Small roots*, each 10c; doz., \$1.00, by mail postpaid. *Extra large clumps* by express or freight, each 15c; doz., \$1.50, not prepaid.



YELLOW SUMMER TURNIP. Very symmetrical and uniform; nearly round, with grayish-white skin, covered with a bright yellow russeting, which makes it very attractive. The flesh is compact, white and rather pungent. Quite popular with some growers. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c.; lb., 75c.

ROSE, OLIVE SHAPED. Skin rose-colored; flesh rose-tinted, tender and of excellent flavor. Very early. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c.; lb., 60c.

WHITE, OLIVE SHAPED. Similar to above, except in color, as the name indicates. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Winter Radishes.

Sow about the same time as winter turnips, on light, rich soil, in drills eighteen inches apart; give frequent cultivation, and thin two to six inches apart, according to size of the variety. For winter use pull before severe frost, and store in damp sand in cellar.

CHINESE WHITE. A long, white radish, introduced into this country by the Chinese in California. Flesh tender and crisp. Keeps well throughout the winter. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 20c.; lb., 60c.

CHINESE ROSE. Skin very smooth and of bright rose color. Flesh firm, crisp and pungent. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 20c.; lb., 60c.

LONG BLACK SPANISH. Black skin. Flesh white, firm and of excellent flavor. One of the hardest and finest either for winter or summer use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c.; lb., 60c.

ROUND BLACK SPANISH. Similar to above except in form. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c.; lb., 60c.

SUNFLOWER, Mammoth Russian.

The Giant of all Sunflowers.

Growing to double the size of the common sunflower, and the yield of seed is twice as great. One hundred and twenty-five bushels to the acre have been grown at less expense than corn. Highly recommended for poultry; the best egg-producing food known. Lb., 20c, postpaid; not prepaid, 5 lbs., 50c; 10 lbs. 80c

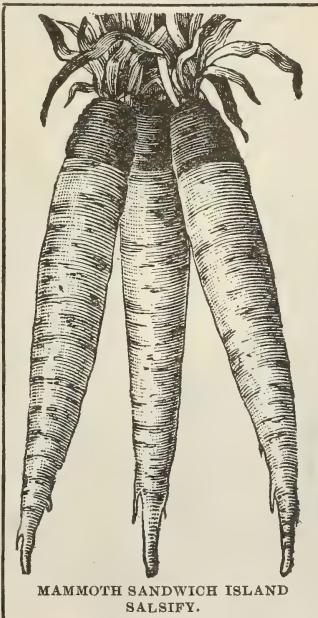
...SALSIFY...
or VEGETABLE OYSTER.

HAFERWURZEL, Ger. SALSIFIS, Fr. 1 oz. for 100 ft. of drill.

Cultivated chiefly for its parsnip-shaped roots, which have an oyster-like flavor and prove relishable prepared in various ways, as for soups, salads, etc., or simply boiled and served plain. The young flower stalks of the second year form an excellent dish prepared as asparagus, which they closely resemble in flavor.

Soil and culture should be the same as for Parsnips, taking pains to make sowings as early as practicable each spring.

MAMMOTH SANDWICH ISLAND. A new and improved type, producing roots of nearly double the size and weight of the old variety, and of equally good quality. It has been extensively grown for the markets of many of the large cities, entirely superseding the old sort. Packet, 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.65.



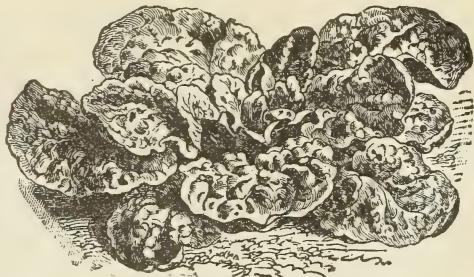
SPINACH.

SPINAT, Ger. This is an important crop for the market gardener. It is of easy cultivation.

1 oz. for 100 feet of drill.
10 to 12 lbs. in drills per acre.

Sow for main crop in September, either broadcast or in drills one foot apart and one inch deep, in rich soil; the stronger the ground the more delicate and succulent will be the leaves. Protect during the winter with hay or straw. For spring and summer use, sow as soon as the ground can be worked, and every two weeks for succession. Makes delicious greens.

Write for special prices on large quantities.



LONG STANDING SPINACH.

BLOOMSDALE or **Savoy** Leaved. Of upright growth; leaves curled and crimped, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Oz., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

LONG STANDING. Leaves dark green and thick. Not inclined to run to seed for a long time. Very popular with market gardeners. Oz., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

THICK LEAVED ROUND. One of the best market sorts for spring or autumn sowing. Oz., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

SQUASH.

SPEISE KURBIS, Ger. COWEGE, Fr. 1 oz. for 50 hills, 4 to 6 lbs. per acre.

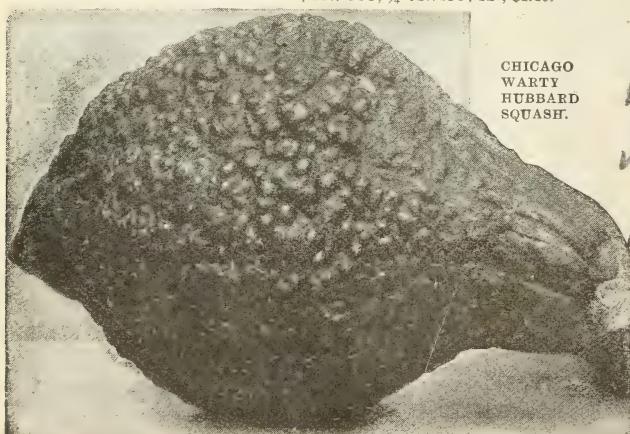
GOLDEN CUSTARD. Grows frequently two feet in diameter, larger than any of the scalloped sorts. Rich golden yellow. It grows in bush form. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

SILVER CUSTARD. Not quite so large as the foregoing. It is a delicate white color, and the quality of both sorts is of finest grade. Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

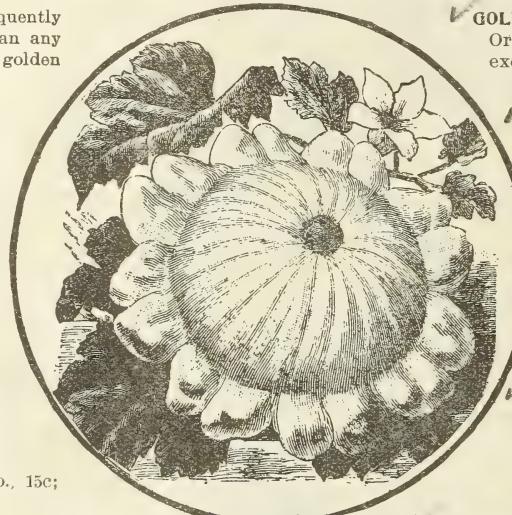
WHITE BUSH, Scalloped. This and the Yellow Bush, scalloped, are grown for first crop. Its hard rind makes it valuable for shipping. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

YELLOW BUSH, Scalloped. Differs from the white only in color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 60c.

Chicago Warty Hubbard Squash. This fine form of the Hubbard is a favorite one with many market men. It is striking in appearance and the warty knobs draw general attention. Having been selected for years by a Chicago gardener, it now combines all the good points of the original Hubbard, with rougher, harder warted shell, improved quality, thick flesh, finer color, stronger constitution. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.10.



WHITE BUSH SQUASH.



Plant when all danger from frost is past, and get in the winter varieties as soon as possible in order that they may mature. Plant in hills 4 feet apart for the bush varieties and 6 or 8 feet apart for running sorts. Put 6 or 8 seeds in a hill, thinning when all danger from insects is past to 3 or 4 plants in a hill.

PRICKLY WINTER. Use for fall sowing as it is extremely hardy. Seeds prickly, leaves not so large as those of other varieties. Oz., 5c; $\frac{1}{4}$ lb., 10c; lb., 35c.

VICTORIA. Matures later than other sorts. Leaves broad and thick, very dark green, almost black. Whether grown for market or in the family garden, it is sure to please. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 40c.

GOLDEN SUMMER CROOKNECK. Orange yellow covered with warty excrescences. Packet, 5c; ounce, 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Giant Summer Crookneck. In this we have the buttery flavor of the original sort, but the squashes are twice the size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

PERFECT GEM. Nearly round; skin, creamy white; flesh, fine grained. Bears great number of small squashes. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

FORD HOOK. Small, pear shaped or oblong; flesh thick, straw colored. Very early. In cool room will keep until June. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

ORANGE MARROW. The earliest by ten days of the winter squashes. It is creamy orange in color; fine form, handsome appearance, and keeps a long time. In great demand by Chicago pie bakers, who prefer it to all others. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 50c.

SIBLEY. One of the earliest and best of all fall squashes. Pear shaped, with stem on large end; flesh orange color, thick and fine grained. An excellent shipper and a long keeper. Pkt., 5c; oz., $\frac{1}{4}$ lb., 25c; lb., 65c.

BOSTON MARROW. Oval form. Flesh, salmon yellow, dry grained and sweet. A splendid pie and table squash. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 60c.

ESSEX HYBRID. Ripens early. Cylinder form. Flesh solid, rich, orange colored. Can be planted after early peas or potatoes. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

HUBBARD. Regarded as the standard winter squash. Very hard shell; excellent keeper, the best for table use. Flesh dark yellow, fine grained, dry and sweet. Our seed is most carefully selected, and will give satisfaction. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

GOLDEN HUBBARD. Identical in form and quality with the well-known Hubbard, except that the skin is a beautiful deep orange-yellow. Flesh fine grained and of excellent flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75.

TOMATO.

LIEBESAPFEL, Ger.
TOMATE, Fr.

1 oz. to 1500 plants; $\frac{1}{4}$ lb. to transplant per acre.

It thrives best in light, warm soil, not too highly enriched, and depends for highest excellence upon vigorous, unchecked growth in the early stages.

CULTURE. For early crops sow in hotbed, greenhouse, or inside the window or sitting room, where the temperature does not fall below 65 degrees, in February or March; transplanting—to secure stockiness—when three inches high, to pots, cold frames, or other parts of the bed, and about five inches apart. After all danger of frost is over, transplant finally to open ground, 4 to 6 feet apart, according to variety used. Earliness may be promoted by pruning off excessive growth.

✓ **Fordhook First.** A smooth, solid Tomato, red and purple, of handsome appearance. It is *extremely early*, ready to market nearly as soon as the old-time, unshapely fruited sorts. Medium size, tough skin, almost no core. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.

✓ **ACME. Improved Strain.** Ripens early; of medium, uniform size; glossy red with purplish tinge; round and smooth, free from cracks. An excellent Tomato for market gardeners' use, as it ships well. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

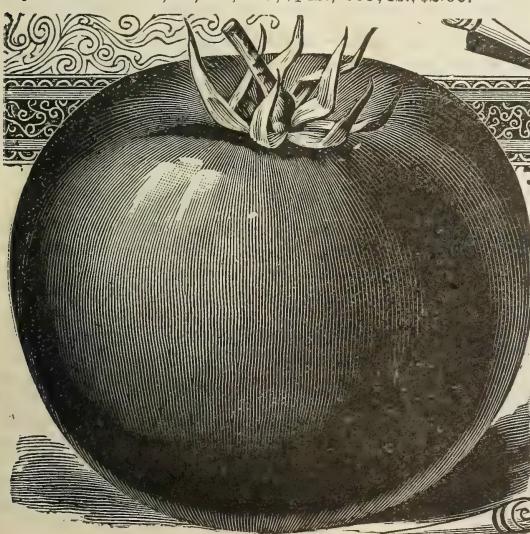
✓ **IMPROVED BEAUTY.** A favorite both for the home market or shipping purposes. Medium early. Fruit round, smooth, crimson, with purplish tinge. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

✓ **BUCKEYE STATE.** The tomatoes are borne in immense clusters of four to eight fruits, and, occasionally, ten large fruits have been found on a single cluster. In time of ripening, it matures about with the "Stone." In solidity and meatiness, it has no equal, while in luscious quality none surpass it. The color is much the same as "Beauty," but of a somewhat darker and richer shade. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

✓ **ROYAL RED.** Very bright scarlet. Valuable for canners. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

✓ **DWARF CHAMPION.** Dwarf and compact in growth, the plants grow stiff and upright, with foliage unlike most others. Fruit in form and color like Acme. Recommended for the home garden. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

✓ **GOLDEN QUEEN.** A real good *yellow* sort of *first rate quality*. On the table the golden yellow slices make a beautiful contrast with the red sorts. Makes splendid preserves. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.



BEAUTY TOMATO.



RED Currant.

ATLANTIC PRIZE.

We do not hesitate to pronounce it the largest, smoothest, best flavored and brightest colored *earliest Tomato*. Vine medium size, with few leaves, very hardy bearing the fruit low down on the stem and in enormous clusters, which ripen altogether. Those whose trade demands that they have a large, smooth, good flavored, *very early fruit*, will find this variety to be just what they want. The seed we offer is carefully selected. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

CRIMSON CUSHION. This splendid new Tomato is more symmetrical in shape than the Ponderosa, and is much thicker through from stem to "blossom end;" in fact, so marked is this characteristic that it is frequently almost round. The color is brilliant scarlet crimson, untinged with purple, and ripens up almost completely to the stem. The "Crimson Cushion," like the Ponderosa, is almost seedless, requiring from 10 to 12 bushels of ripe fruit to produce one pound of seed. It is early for so large a Tomato and a prolific bearer. Flesh firm, meaty and of a superb quality. Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

PARAGON. The first improved Tomato introduced and today there are many gardeners, canners and catsup makers who give this variety preference over all others. Ripens between the early and late sorts; fruit round as an apple, rich crimson, solid; an immense cropper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

PERFECTION. An improved Acme, with *blood red* skin, making it a valuable canning sort. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

PONDEROSA or No. 400. Handsome in appearance, smooth, of a dark, rich crimson color, and a delicious sub-acid flavor. Solid, almost seedless. Fruits somewhat rough; excellent for stewing. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.25.

STONE. One of the extra large fruited sorts, solid and firm-fleshed as its name indicates. Smooth, ripening to the stem without a crack; color, bright scarlet, fine for canning; quality, the very best. It is popular everywhere; no one finds any fault with Stone. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

TREE TOMATO. So called from growing in tree like form and bearing large, plump red fruit that is extremely solid, hard and of excellent quality. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$3.00.

SMALL-FRUITED TOMATOES.

Yellow Plum, Red Currant and Red Cherry. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.25.

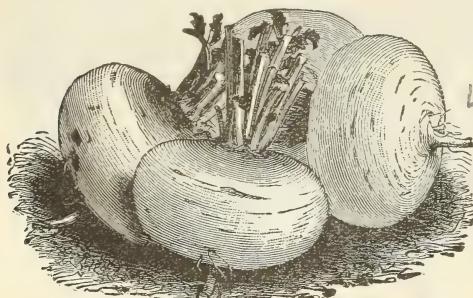
TURNIP.

WEISZE RUEBEN, Ger.

NAVET, Fr.

1 oz. for 150 ft. of drill; 1 to 2 lbs. in drills per acre.

$\frac{1}{2}$ inch deep, and when of sufficient size thin the roots to 5 or 6 inches distant. For succession, sow at intervals of a fortnight. Sow if possible just before a rain.



WHITE FLAT DUTCH.

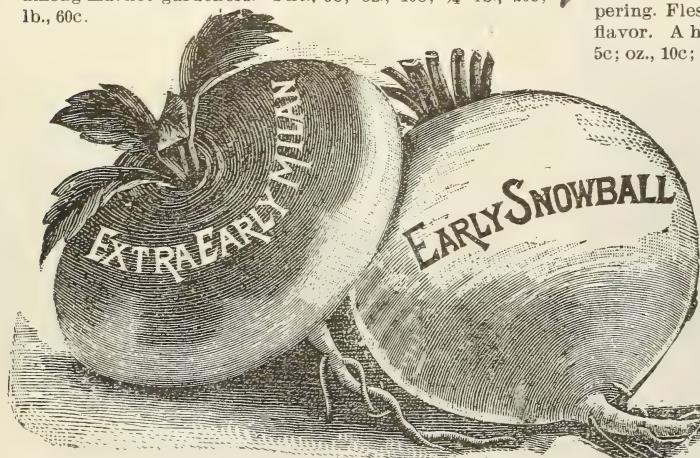
EXTRA EARLY PURPLE TOP MILAN. A splendid new strap-leaved variety that is ready for use fully two weeks earlier than the Purple Top Strap-leaved, and one week ahead of the Purple Top Munich. The bulb is of medium size, quite flat, smooth and has a bright, fresh purple top. The flesh is pure white, solid, fine-grained and of the choicest quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

PRIZE PURPLE TOP STRAP LEAF. Tops small, bulb mostly above ground, of medium size and flat. Skin white below the surface and clear, bright purple above. Flesh white, sugary and remarkably well flavored. Very early, hardy and prolific. The leading standard, purely American variety. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 40c.

WHITE STRAP LEAF. A sub variety of the Purple Top Strap Leaf, from which it differs mainly in the coloring of the skin. Early, productive, of excellent quality and recommended for either field or garden culture. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 45c.

POMERANIAN WHITE GLOBE. A large and most perfect globe in shape; skin white and smooth. Of strong growth and one of the most productive varieties. Valuable for both table and stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

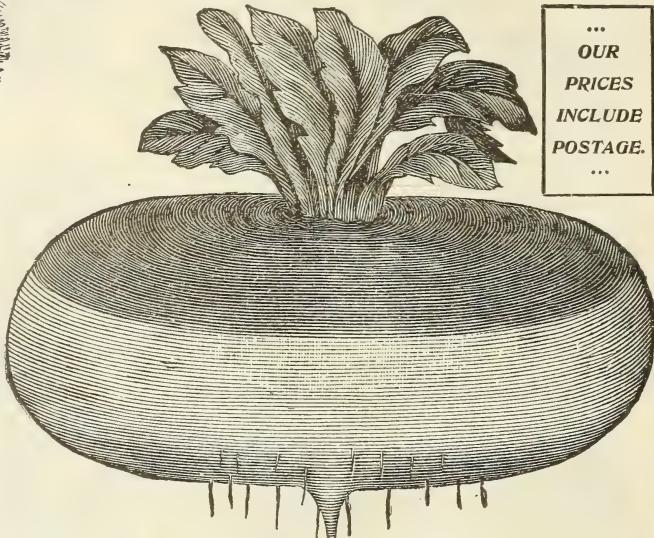
PURPLE TOP WHITE GLOBE. The name of this most excellent variety affords for it a very accurate description. It is an early and a heavy cropper as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



The best soil is a new light, rich loam, entire'y free from fresh manure. Sowing for summer use should be made very early in the spring; for fall or main crop from middle of July to middle of August. The small varieties may be sown broadcast if the ground be free from weeds. In the case of the large sorts, however, greater yields and better results in every way will be derived from drill sowing. Make drills 14 inches apart, to 5 or 6 inches distant. For succession, sow at intervals of a fortnight. Sow if possible just before a rain.

TURNIPS, MANGELS and CARROTS are much relished by all farm stock.

WHITE EGG. Tops small and rough-leaved. Bulb oblong and produced mostly out of ground. Skin pure white and perfectly smooth. Flesh firm, sweet and mild. Pkt. 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 50c.



...
OUR
PRICES
INCLUDE
POSTAGE.
...

PRIZE PURPLE TOP STRAP LEAF.

EARLY WHITE FLAT DUTCH. Bulb of medium size and flat. Skin pure white. One of the surest croppers of the early garden sorts. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 50c.

WHITE SIX WEEKS OR SNOWBALL. Bulb of medium size and spherical. Skin white and smooth. Immature flesh, fine-grained, tender and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

WHITE FLAT NORFOLK. Bulb round, flat. Flesh white, sweet and excellent for stock feeding. A late variety, often attaining extraordinary size. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

PURPLE TOP YELLOW ABERDEEN. Root round and tapering. Flesh pale yellow, tender, sugary, and of superior flavor. A hardy and productive standard variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

RUTA BAGA.

KOHLEABI, Ger.

CHOU NAVET, Fr.

The Swedes are really preferable for stock feeding, on account of their superior nutritive as well as better keeping qualities. Some of the finest are desirable and popular for table use also. The ground should be dry and thoroughly enriched. The sowing at the North may be made from the middle of June to the middle of July; at the South in the fall. Space the drills 20 inches apart, and thin 10 to 12 inches distant. For preservation the roots may be packed in barrels in the cellar and covered with sand or turf, or placed in pits, underneath a thick coating of dry straw, the whole earthed over to a depth of some 10 in.



WHITE SWEET RUSSIAN.

climate of the Middle and Northern States, being comparatively hardy. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c,

IMPORTED HAVANA. Best of all for the manufacture of cigars, but inclined to deteriorate; hence the necessity of renewing the seed each year. Ours is a superior strain of Cuban grown stocks. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

TURNIP, Ruta Baga or Swede.

AMERICAN PURPLE TOP. Tops very small. Bulbs large, having few, if any, roots. Skin deep purple above, bright yellow underneath. Flesh golden yellow, of fine texture, sweet and of richest flavor. Very hardy, unusually productive, and a good keeper; the principal variety being desirable for table use and stock feeding. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 40c.

SKIRVING'S PURPLE TOP. Flesh yellow, solid and sweet. A good keeper, Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 40c.

LAING'S IMPROVED PURPLE TOP. Leaves cabbage-like and large. Bulb nearly round. Skin smooth, yellow below and purple above. Flesh yellow, solid and of fine flavor. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 40c.

WHITE SWEET RUSSIAN. Bulb enormous. Flesh white, solid and rich in sugar. The best keeper of all the Swedes, and deservedly popular for both table and stock. Pkt., 3c; oz., 7c; $\frac{1}{4}$ lb., 15c; lb., 40c.

TOBACCO.

TABACK, Ger. TABACO, Sp. TABAC, Fr. Rich, sandy loam produces the best quality of leaf; heavy, new soils and green manures producing coarse leaf, which burns badly. Wood ashes and commercial potash fertilizers are the best for tobacco. The seed bed must be very light; it is well to burn a brush heap upon it some months before seeding.

PRIMUS. The very earliest variety grown and one that succeeds well in Canada and the far North, where few kinds will ripen. Entirely new, choice, very productive. Leaves large, fibers fine, and texture silky. Packet, 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

CONNECTICUT SEED LEAF. Perhaps the variety best adapted to the climate of the Middle and Northern States, being comparatively hardy. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c,

IMPORTED HAVANA. Best of all for the manufacture of cigars, but inclined to deteriorate; hence the necessity of renewing the seed each year. Ours is a superior strain of Cuban grown stocks. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

...Transplanted Vegetable Plants...

THESE plants are grown from seed supplied by us, thus insuring genuineness of all the plants we offer. They are grown especially for our shipping trade and our method of packing is unexcelled. Our experience and knowledge enables us to ship in the right condition and at the right time, well packed and at short notice. Such knowledge is valuable to every buyer who can ill afford to take any risk of delay or of receiving poor plants in poor condition, when the season demands prompt work. **PRICES DO NOT INCLUDE PREPAYMENT BY MAIL.** If wanted by mail add 6 cts. per doz.; 12 cts. for 50; 20 cts. for 100.



	Doz.	50.	100.	1,000
CABBAGE. Early varieties, once transplanted. Ready April 1st		\$0.40	\$0.75	\$4.50
CABBAGE. Late varieties. Ready June 1st.....	.20	.30	.75	1.75
CAULIFLOWER. Early varieties, once transplanted. Ready				
April 1st75	1.25	7.50	
CAULIFLOWER. Late varieties. Ready June 20th.....	.30	.50	4.00	
CELERY. Sheared back several times during growth. Ready				
July 1st.....	.30	.50	3.00	
SWEET POTATO. Ready June 10th.....	.25	.35	2.50	
TOMATO. Twice transplanted.....	\$0.20	.60	1.00	7.50
EGG PLANT. Twice transplanted. Ready May 15th.....	.25	.80	1.50	
PEPPER. Twice transplanted. Ready May 15th.....	.20	.60	1.00	

VEGETABLE ROOTS AND SETS.

ARTICHOKEs. Jerusalem.....	Bu., \$1.25.			
ASPARAGUS. Columb. Mammoth White, Conover's Colossal,		1.00	6.50	
Palmetto, 2 years old.....	.75	5.00		
CHIVES. Strong clumps. Prepaid each 25c; not prepaid 10c.				
GARLIC. Bulbs. Postpaid, per lb. 30c.				
HORSE RADISH. Slant cut ends20	.50	.75	6.00
RHUBARB ROOTS. Strong clumps, each 15c. Mailing size, each 10c.				
ONION SETS. Bottom Tops, Multipliers, etc., see special page.				

THREE VALUABLE TEXT BOOKS ON GARDENING.

GARDEN MAKING. A guide to daily practice in the garden, whether that garden be a city back yard or an enclosure of acres. It imparts in simple language such information as every man or woman who buys a single packet of seed or attempts to grow a single plant is in need of. Profusely illustrated. Bound in flexible cloth so it can be carried in the pocket. Postpaid, \$1.00.

THE YOUNG MARKET GARDENER. Is intended as a guide to beginners. It gives sound advice on construction of houses, pits, soils, profitable crops to grow, suggestions how to market. 119 pages. Paper. Postpaid, 50c.

THE FORCING BOOK: A manual of the cultivation of vegetables under glass. Valuable alike to the amateur or private gardener. 266 pages, 88 illustrations. Postpaid, \$1.00.

Collections of Choice Selected Seeds.

THE seeds we send are, for the most part, put up in handsomely lithographed packets on which are printed full cultural directions. We put a good supply of fresh seeds into each, and guarantee every collection will give the utmost satisfaction. For people who have not time to select varieties, and for those who are unfamiliar with sorts adapted for certain purposes, these collections prove just what is wanted.

These Collections contain large pkts., of full size.

Vegetable Seed Collections.

We cannot change them, as they are put up in advance

ECLIPSE PEA. A wrinkled sort which we can highly recommend for family use. Pods short, thick, and well filled with excellent peas. Pkt., 5c; pt., 20c; qt., 35c, postpaid.

DIRIGO BEET. Is a first-class variety for every one. Has good form and color, matures early, and is of splendid quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

TRIUMPH RADISH. Its handsome appearance and the marked distinction of being striped red on white makes this variety a great novelty. Pkt., 10c.

ROCKY FORD MUSK MELON. This variety under the culture of Colorado gardeners has become famed throughout the country. Flesh rich and juicy, sweet and melting, with a delicious aroma. We have the true strain of seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.



CHICAGO MARKET GARDEN CABBAGE. It develops fine, large, solid heads one week later than the Wakefield, while if set out later, it makes excellent heads for winter use. It stands the hot sun well, is almost certain to head, does not crack, and is an excellent keeper. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

MAMMOTH WHITE CORY CORN. A very early variety of beautiful form and unsurpassed quality. Nearly every stalk produces 2 ears, which are 12 rowed and very full. The grain is white. One of the best Corns introduced in recent years. Pkt., 5c; pt., 20c, qt., 40c.

FREEDOM TOMATO. This beautiful Tomato is almost seedless, fleshy, meaty, and superb in quality. It is an enormous producer, and quite early. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.25.

25c. COLLECTION "A."

Ten packets, prepaid, for twenty-five cents.

Onion—Prize Taker
Radish—French Breakfast
Peas—Little Gem
Tomato—New Stone
Turnip—Purple Top, Wh. Gl.

25c.

Twenty packets, prepaid, for fifty cents.

Beans—Extra Early Refugee
Beans—Imp. Golden Wax
Beet—Edmund's Bld. Turnip
Cabbage—All-head Early
Carrot—Danvers Half Long
Celery—Dwf. Golden Heart
Cucumber—Siberian
S. Corn—Country Gentleman
Lettuce—Simpson's Curled
Musk Melon—Netted Gem

Beans—Ex. Early Refugee
Beet—Edmund's Bld. Turnip
Cabbage—All-head Early
Cucumber—Siberian
Lettuce—Simpson's Curled

\$1.00

COLLECTION "C."

Forty packets, prepaid, for one dollar.

Beans—Extra Early Refugee
" —Imp. Golden Wax
" —Henderson's B. Lima
Beet—Edmund's Bld. Turnip
" —Long Dark Blood
Cabbage—Early J. Wakefield
" —Fottler's Brunswick
Carrot—Danvers Half Long
S. Corn—Early Minnesota
" —Country Gentleman
Cucumber—Siberian
" —Imp. Long Green
Egg Plant—N. Y. Purple
Endive—Green Curled
Kohlrabi—White Vienna
Lettuce—Simpson's Curled
Leek—American Flag
Musk Melon—Netted Gem
" —Osage
W. Melon—Phinney's Early

\$1.00

W. Melon—Kolb's Gem
Onion—Yellow Gl. Danvers
" —Large R. Wethersfield
Pepper—Ruby King
Peas—Nott's Excelsior
" —Everbearing
Parsnip—Hollow Crown
Parsley—Double Curled
Pumpkin—Large Cheese
Radish—French Breakfast
" —Long Scarlet
" —White Strasburg
Squash—Warty Hubbard
" —Bush Scallop
Tomato—Acme
Turnip—P. T. White Globe
Ruta Baga—Am. P. Top
Spinach—Round Summer
Salsify—Mam. S. Island
Sage—Broad Leaved

50c. COLLECTION "B."

50c.

Twenty packets, prepaid, for fifty cents.

Beans—Extra Early Refugee
Beans—Imp. Golden Wax
Beet—Edmund's Bld. Turnip
Cabbage—All-head Early
Carrot—Danvers Half Long
Celery—Dwf. Golden Heart
Cucumber—Siberian
S. Corn—Country Gentleman
Lettuce—Simpson's Curled
Musk Melon—Netted Gem

W. Melon—Phinney's Early
Onion—Prize Taker
Parsnip—Imp. Guernsey
Peas—Little Gem
Peas—Everbearing
Salsify—Mam. S. Island
Radish—French Breakfast
Tomato—New Stone
Turnip—P. Top, Wh. Globe
Radish—White Strasburg

FLOWER GARDEN COLLECTION.

40 Pkts., "AN EVEN DOLLAR."
Beginners in gardening will find this a good collection to buy, as it contains the foundation of a permanent garden—a n u a l s, biennials, and perennials. It will make a grand show, not only this summer, but for years to come.

Ageratum. Larkspur, mxd.
Alyssum, sweet. Lupins, mixed.
Balsam, mixed. Marigold.
Candytuft, Morning Glory,
Empress. mixed.
Canterbury Nasturtium,
Bells. tall mixed.
Carnation. Nasturtium,
Margaret. dwarf mxd.
Castor Beans. Pansy, bedding.
Centaurea. Petunia, mixed.
Clarkia. Phlox Drum'di.
Columbine, mxd. Pink, Chinese,
Cosmos mixed. mixed.
Cypress Vine. Poppy, double.
mixed. Portulaca,
Calif'nia Poppy. mixed.
Delphinium, Salpiglossis,
perennial. mixed.
Everlastings, Scabiosa, mxd.
mixed. Stock, ten wks.
Fox Glove. Sweet Peas,
Forget-Me-Not. 1 ounce.
Gourds, ornamental. Sweet William.
Gailliardia. Verbena, mxd.
Hollyhocks. Wallflower,
Zinnia, mixed.

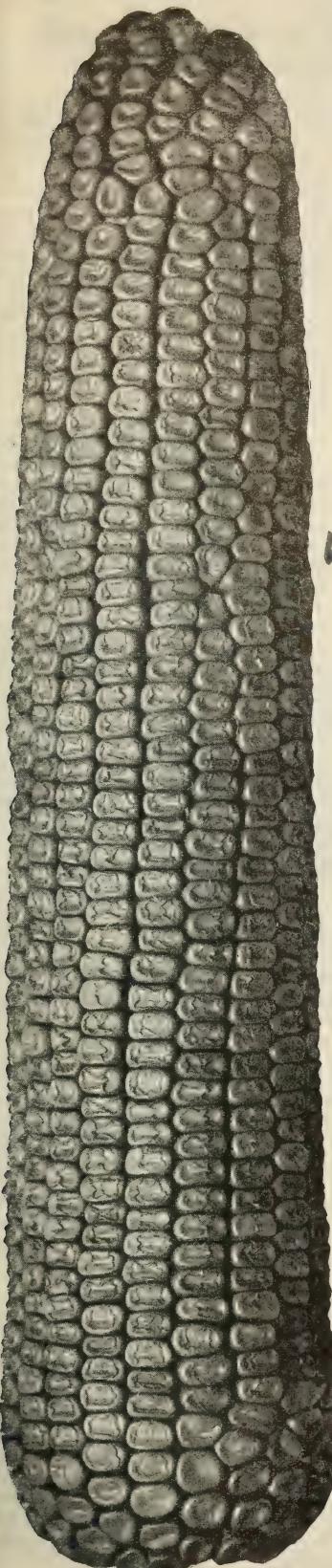
FOR BOUQUETS.

14 Packets
"ONLY A QUARTER."

Here are fourteen choice annuals, easily grown, especially selected as best for cutting for bouquets. Aster, good mixed. Sweet Alyssum. Agathaea. Ageratum, mixed. Balsam, double, mixed. Caliopsis. Carnation, Margaret. Candytuft. Convolvulus, Minor. China Pinks. Nasturtium, tall. Pansy, mixed. Sweet Peas, mixed. Zinnia, mixed. Price, the entire 14 pkts., 25c.



These Flowers will gladden your eyes all summer.



FARM SEEDS.

WE make a specialty of Farm Seeds, and are at all times prepared to furnish the **BEST** varieties of **Corn, Oats, etc.**, at such prices that it will not pay any one to plant poor seed.

PRICES on all (with the exception of Grass and Clover Seeds) include bags. Bags in which to ship Grass and Clover seeds are 15c each. No charge for delivery to any freight depot in Chicago.

SELECTED FIELD CORN

FOLLOWING are some well-known varieties, as well as some newer ones.

Nothing included in our list but those which under ordinary conditions will mature a crop. Our Seed Corn has all been subjected to a thorough test of its germinating qualities.

TO AVOID DELAY, when ordering late in season, it would be well to mention your second choice, in case we should be sold out of variety ordered.

Barnard's Early Yellow Dent.

Early

... A Large-Eared, Early, 90-Day Corn ...

Smooth

TO Farmers situated in localities where later varieties of corn will not ripen, or to those who for any reason may wish to make a late planting, BARNARD'S EARLY YELLOW DENT CORN commends itself.

Handsome

The ears are smooth and handsome, the kernels have none of the rough, sharp points so objectionable in many of the older corns.

Hardy

Productive

Profitable

The plant is vigorous, well supplied with foliage, roots deeply, enabling it to withstand adverse conditions of weather. Its productiveness, its habit of maturing two or three ears to the stalk, and of maturing them, result in agreeable surprise.

The characteristic of *Great Yield* is apparent on shelling. *The grains are very deep*, and are set compactly upon the cob, which is extremely small in diameter, but of good length — eight to ten inches.

BARNARD'S EARLY YELLOW DENT is not a chance variety, but the result of scientific selection and hybridizing with a definite object in view, which has been attained in this large-eared early variety. *Its record is ninety days of good corn weather from date of planting to maturity, and entirely out of frost danger.* Pkt., 10c; qt., 35c, postpaid. Pk., 50c; bu., \$1.75. Bags included.

PRIDE OF THE NORTH. This corn still retains its popularity as an exceedingly early and prolific variety. It is not fully appreciated until the large yield and small percentage of cob to grain are carefully noted. Price and description on next page.

EARLY IOWA YELLOW DENT CORN.

Matures in 90 days, and under favorable weather conditions, even earlier. Has won many premiums at fairs. Do not fail to try a test plot of Early Iowa Corn.

SIXTEEN years ago the first steps toward breeding up what has since become the "Early Iowa" corn, were made. Careful selections, made yearly ever since, have fixed the strain so that it is extremely early.

This corn has been planted as late as June 20th, and yielded a better crop than other so-called Early Field Corn planted at the same time.

The ears of a good size, have no rough edges or sharp points, thus making husking an easy task. For an early corn it is a heavy yielder. Pkt., 10c; qt., 35c; postpaid. Pk., 35c; bu., \$1.25, not prepaid. Bags included.

SEED FIELD CORN—Continued.

The varieties named below are among the very best now in general use. At these very reasonable prices no one can afford to take risks with inferior seed

A few cents per acre, invested in selected seed corn, will often make a difference of hundreds of dollars in the value of the crop.

PRIDE OF THE NORTH.

✓ A 16-Rowed Yellow Dent.

Matures in 90 days.

This Corn is undoubtedly the best known of the Early Yellow Dents. It can be successfully grown in the extreme northern limit of corn production.

Ears 8 to 10 inches in length and $1\frac{1}{2}$ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. In a test, 70 pounds of ears, not selected and but imperfectly dried, produced 60 pounds of shelled corn and only $9\frac{1}{4}$ pounds of cobs, instead of 14 pounds, the usual proportion. Stalks about medium height, 6 to 8 feet. Pkt., 10c.; qt., 25c., postpaid; pk., 45c.; bu., \$1.25, not prepaid; bags included.

LEAMING. An early Yellow Dent. Ripens in 100 to 110 days from planting. Stalks of medium height, stout, and well clothed with leaves. The LEAMING corn is much used for ensilage purposes, for which it is well adapted. Ears large and long; grain very deep, of a rich golden color. Husks and shells quite easily. Pkt. 10c.; qt., 25c., postpaid; pk., 45c.; bu., \$1.25, not prepaid; bags included.

BARNARD'S EARLY YELLOW DENT CORN. See page 49.

WHITE CAP YELLOW DENT. This now famous corn possesses the earliness of *Pride of the North*, and will produce a greater yield on thin, poor land than any other corn. Grows about 6 to 7 feet in height, with abundant foliage and fine large ear. The tip ends of the grains are white, the inside yellow, making it of a beautiful color both when on cob and when shelled. It ripened and produced an enormous crop in the State of New York. Pkt., 10c.; qt., 25c., postpaid; pk., 45c.; bu., \$1.25, not prepaid.

ENSILAGE AND FODDER CORN.

If planted in drills, which should be about three and a half feet apart, 12 to 16 quarts per acre are required. If sown broadcast, 2 to $2\frac{1}{2}$ bushels are required to the acre.

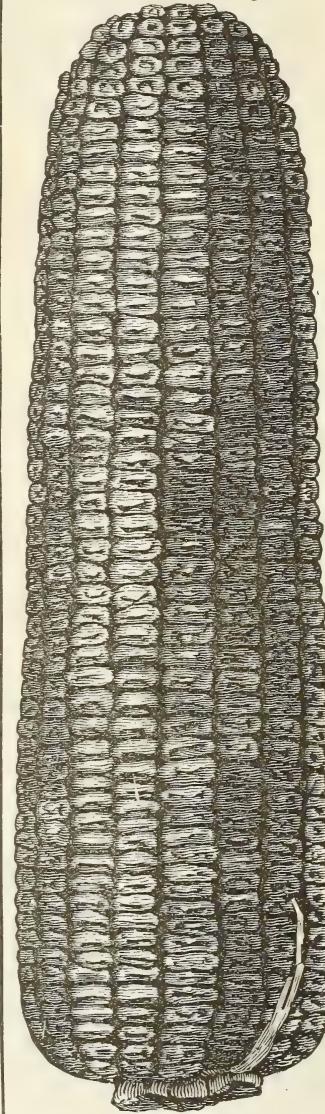
These prices include bags and delivery to depot.

SWEET CORN FOR FODDER. There is nothing better for green feed, or for curing for winter, than Sweet Corn. Sow in drills or broadcast. Pk., 50c.; bu., \$1.50; 2 bu., \$2.50; 10 bu., \$1.10 per bu., bags included.

RED COB ENSILAGE. A most desirable variety, adapted to all sections of the country. Pk., 25c.; bu., \$1.00.

LARGE, WHITE SOUTHERN ENSILAGE. A most desirable variety for its purpose. Leaves are produced in abundance. Pk., 35c.; bu., \$1.00.

Prices include Bags.



✓ IOWA GOLD MINE.

It is early, ripening only a few days later than *Pride of the North*; ears are of good size and symmetrical; color a bright golden yellow; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. *Seventy pounds of ear corn makes sixty to sixty-two pounds of shelled corn.* Give this corn a trial and you will never regret having done so. Pkt., 10c.; qt., 25c., postpaid; pk., 45c.; bu., \$1.25, not prepaid.

IOWA SILVER MINE. Matures in about 100 days in the Illinois corn belt, say south of Chicago. The stalks grow to a height of 7 or 8 feet and set the ears about $3\frac{1}{2}$ to 4 feet from the ground. The ears measure from 10 to 12 inches in length, and often weigh $1\frac{1}{2}$ pounds. They are very uniform in size and shape, with 16 to 20 straight rows of deep, pure white kernels on a very small cob. *It is the heaviest yielder we know, having produced over 200 bu. to the acre.* Pkt., 10c.; qt. 25c., postpaid; pk., 45c.; bu., \$1.25, not prepaid.

✓ YELLOW FLINT. An exceedingly heavy and productive variety. It grows to a good height, the stalks making excellent fodder. Ears 8 to 10 inches in length, cob white, 8-rowed, with large and broad kernels. Pkt., 10c.; qt., 25c., postpaid; pk., 50c.; bu., \$1.50, not prepaid.

✓ IMPROVED KING PHILIP. Very early. Ears 10 to 12 inches. Kernels copper-colored, smooth and flinty. Pkt., 10c.; qt. 30c., postpaid; pk., 50c.; bu., \$1.50, not prepaid.

SANFORD'S WHITE FLINT. Handsome, large and well filled kernels. Pkt., 10c.; qt., 25c., prepaid; pk., 50c.; bu., \$1.50, not prepaid.

◆◆◆◆ BROOM CORN. ◆◆◆◆

✓ IMPROVED EVERGREEN. The best variety for general cultivation because of color and quality of brush. It ripens early, grows about 8 to 10 feet high. Brush of good length, fine and straight. Does not get red before it is cut, but is strictly a green variety. Lb., 25c., postpaid; pk., 60c.; bu., \$2.00, not prepaid.

◆◆◆◆ COW PEAS—The Great Soil Improver.

◆◆◆◆ Makes poor land rich. Makes good land more productive. Also makes a splendid and nutritious green forage or hay crop, enriching the soil even when the crop is cut off.

Green crops plowed under are one of the cheapest methods of enriching the soil. Cow Peas are invaluable for the purpose as well as providing a large amount of fodder. They should be sown in May or June at the rate of $1\frac{1}{2}$ bu. to the acre. The pods may be removed, dried and the grain ground, and the plants plowed under. The stalks and leaves fed green make excellent fodder. Cow peas should be grown to a much greater extent than at present. Pint, 10c.; qt., 35c., prepaid; pk., 30c.; bu., \$2.00, not prepaid.

Seed Grain.

GROWN EXPRESSLY FOR SEED. CAREFULLY RECLEANED and SELECTED.

Prices on Seed Grain subject to market changes. We make no charge for bags, nor delivery to depots. Purchaser pays freight in all cases.

OATS.

IF YOU would be up with the times and grow oats which on threshing day would make you the envy of your neighbors **change your seed oats**. Who would not raise **pure, choice, heavy oats** in preference to light, mixed and chaffy kinds that yield an insignificant crop of poor quality? We advise you to buy and sow **new or well-tried varieties** that are **sure croppers**, free from disease, **immensely prolific** and which bring the highest price in the market. Raise some and sell to neighbors.

New Oat. "IRISH VICTOR."

Illustrated on Back Cover of this Book.

ONE of the best importations of recent years. **A grand novelty oat.** Scotch-grown oats have long been famous for their productiveness and extreme weight.

The **IRISH VICTOR** was introduced from northern Ireland. It has been grown in this country, chiefly in Iowa and adjoining states, and everyone speaks highly of it. Grows to medium height, stools out well; has very stiff straw. Grain is large, plump, and heavy. Fully as early as **LINCOLN** and yields more than that very productive variety. Lb. 20c; 3 lbs. 50c; postpaid; pk. 30c; bu. 80c; 5 bu. for \$3.50; bags included; not prepaid.



LINCOLN. This splendid and now favorably known variety originated in Minnesota and has proved itself one of the best. The following are a few of its points of excellence:

"It is very productive, having in all instances yielded more to the acre than any other sort grown in the same locality. It yielded **174 bushels** from a single bushel of seed. It is very early, and has thus far proved itself **rust proof**. It stands up better than any other sort, it is best for feeding, on account of its thin hull, **heavy meat and soft nib**. It is best for oatmeal or grinding, for the same reason, and should be extensively grown around any location where there is an oatmeal mill."

Despite unfavorable weather in some portions of the west the past season, the **LINCOLN OAT** has stood the test again in yield, stiffness of straw and almost entire freedom from rust. Lb. 15c; 3 lbs. for 50c; postpaid; pk., 30c; bu., 80c; 5 bu. for \$3.50; bags included; not prepaid.

Rust-proof, Prolific New Zealand Oats Have Yielded 102 bu. to the Acre.

ENOTHER year's trial of the **NEW ZEALAND OATS** has shown that our claims made for this variety were well-founded. Iowa farmers give it high praise. This variety came originally from the country whence its name is derived. It is a **rust proof** oat, a trifle higher than other sorts, having sufficient strength and stiffness of straw to prevent its lodging from the effects of storms. The **NEW ZEALAND** is a white side oat of medium size, with extra heavy heads of about 100 grains each, and is only two or three days later than the early round oats. Stools out unusually well and stands up where wheat might be expected to stand. **The yield is twice that of any other variety**, and should be sown by every farmer who desires the most profitable oat to be obtained. Lb. 20c; 3 lbs. 50c; prepaid. Pk., 30c; bu., 80c; 5 bu. for \$3.50; bags included; not prepaid.

BLACK TARTARIAN. For those who prefer a black oat we can safely recommend this variety. The grain is very large, plump, and full, and it is exceedingly prolific under most ordinary cultivation. Lb. 20c; 3 lbs. 50c; postpaid. Pk. 35c; bu. \$1.00; 5 bu. for \$4.50; bags included; not prepaid.

SEED GRAIN

Grown Especially for Seed Purposes.

We make no charges for bags nor delivery to depots. Purchaser pays freight in all cases: 

**BARLEY.**

MANY farmers who a few years ago would not tolerate barley on the farm are now cultivating it extensively. It is now in demand for feeding purposes, either alone or mixed with other feeds.

MANSHURY. The best 6-rowed barley grown. Long heads drooping with **heavy grain** which is considered superior for malting. It is **early** and **yields a large crop**. A standard all-round good barley. Lb. 20c, postpaid; pk. 40c; bu. \$1.00; not prepaid.

WHITE HULLESS. This is a **new** barley and one which has several valuable properties. It is **early, beardless, hulless**. It will yield **WELL** on poor land and **enormously** on good soil. Weighs over 60 lbs. to the measured bushel. **For fattening hogs, has no equal.** Makes better pork than corn — the meat is sweeter. The kernels are **plump and heavy**, and when threshed are hulless like grains of wheat. It has been sown in mid-June and made a good crop. The straw makes good hay. Lb. 25c, postpaid; pk. 50c; bu. \$1.50; not prepaid.

NEPAUL or Hulless. A two-rowed variety distinguished for its sure cropping and heavy yielding properties. Stalks shorter than the ordinary while heads are larger. Lb. 20c, postpaid; pk. 40c; bu. \$1.00; not prepaid.

RYE *Sow at the Rate of two Bushels to the Acre.*

SPRING RYE. This is distinct from Winter Rye. It does not stool-out like that variety, but the straw is equally valuable. Spring Rye is now largely sown in the Middle and Western States in place of oats. It makes a good "catch crop" where winter grain has failed. Lb. 20c, postpaid; pk. 30c; bu. \$1.00; bags included; not prepaid.

WHITE WINTER. This is grown by many, and plowed under as green manure. **WHITE RYE is sown in the fall months.** We have a good clean strain of this standard grain. Lb. 20c; pk. 30c; bu. \$1.00; bags included; not prepaid.



MANSHURY BARLEY

BUCKWHEAT.

Sow 3 pecks to 1 bushel to the acre in mid-June. It can be grown as a profitable second crop to follow early peas, potatoes, etc.

JAPANESE. Sown at the same time as Silver Hull, the Japanese ripens about a week earlier, and is much more productive. In shape the kernels are peculiar and distinct. The flour made from it is equal in quality to that of any other buckwheat. As this variety branches freely and has heavy straw, a less amount of seed is required. Lb. 20c, postpaid; pk. 40c; bu. \$1.25; bags included; not prepaid.

SILVER HULL. Grain silver-gray in color. Rounder than common buckwheat, is earlier, has a thinner husk, and yields more. Lb. 20c postpaid; pk. 40c; bu. \$1.25; bags included; not prepaid.

COMMON BUCKWHEAT. Selected seed. Lb. 20c, postpaid; pk. 50c; bu. \$1.00, bags included; not prepaid.

HIGH GRADE SEED**...WHEAT...**

We endeavor to keep on hand at their proper planting seasons stocks of the leading Seed Wheats. We here name those suitable for Spring planting.

About Aug. 15 we will be glad to quote prices on Seed Winter Wheat. Please name varieties desired and state the quantity required.

VELVET CHAFF BLUE STEM (Spring). A distinct variety, having white, velvet-like chaff; heads beardless. The stem, just below the head, when green, is a beautiful blue bloom, which disappears as the wheat ripens, both wheat and straw assuming a bright golden tint. The kernel is of the hard variety, similar to the Scotch Fife, but is far more productive and one of the best spring wheats for milling; entirely free from rust. Pkt. 5c; lb. 20c, postpaid; pk. 50c; bu. \$1.50; not prepaid.

SASKATCHEWAN FIFE (Spring) has all the general characteristics of Scotch Fife, from which it is descended by careful selections. It excels in earliness, hardiness, productiveness, and freedom from smut and all diseases. It is highly endorsed by leading wheat growers. Pkt. 5c; lb. 20c, postpaid; pk. 50c; bu. \$1.50; not prepaid.



VELVET CHAFF WHEAT.

SUGAR CANE, FORAGE PLANTS, ETC.

Just as the human appetite craves a change in the daily rations, so does the farm stock enjoy with relish a change in their food, the result being an improved appetite and increase in growth. The forage plants offered on this page have all been tried and proven good. They are excellent either as green or dry feed.

CANE or SORGHUM.

EARLY AMBER. Wherever this has been introduced it gives entire satisfaction as a *profitable crop fodder, as well as for sugar making*. When planted between the 1st and 10th of May the seed invariably ripens in almost any section of the country. The seed is very nutritious and valuable for horse and cattle food, and is greedily eaten by poultry. It is by far the best variety for sugar. The syrup obtained from the cane is a pale amber color, hence the name. Pkt. 5c; lb., 15c; postpaid; 25 lbs. for \$1.25; 100 lbs., \$4.25, not prepaid, bags included.

KANSAS ORANGE. This is the most popular variety grown in the South. Its habit is similar to Early Amber, and it is constituted to endure Southern summer heat. South of Illinois this is the Sugar Cane to plant. Pkt., 5c; lb., 15c., postpaid; 25 lbs. for \$1.25; 100 lbs., \$4.25, not prepaid, bags included.

WHITE MILLO MAIZE. A variety of sorghum non saccharine. The merit of this variety is that when cut for feeding it starts again from the stumps with renewed vitality. It endures dry weather and will make a crop where corn would be a failure. It bears grain in heads ten to fifteen inches long. Large pkt., 5c; lb., 20c., postpaid; 10 lbs. for 50c; 25 lbs. for \$1.00; 100 lbs. for \$3.00, not prepaid, bags included.

Mixture of Grasses for Meadows and Permanent Pastures..

SPECIAL NOTICE.

In the preparation of these mixtures for permanent pasture and mowing, the greatest care is exercised in selecting such varieties as are suited to the soil to be laid down and are likely to realize the object in view. To facilitate this, a description of the soil, whether light, medium or heavy, also climate, and purpose for which sown, and if with or without a crop, should accompany each order. . . .

Sow three bushels of Grass Seeds and 10 pounds of Clover to the acre. . . .

For every different kind and condition of soil there is a large number of grasses, indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early, and others so late, that from the beginning of spring until winter, there is no time when one species or another is not at its best.

It is a well known fact that grass countries are always prosperous, and there is ample and just reason why this should be so. Grass and clover culture brings in its train so many benefits to the farmer. There is the permanent improvement of the soils had by the splendid nitrogen-gathering qualities of the clovers; the permanent pastures, the green food and the hay crops. A market is always ready for hay, and the grazing possibilities of grasses are too well known to require elaboration here.

The importance to the farmer of a good selection and proper mixture of Grass Seeds for mowing, permanent pasture, or other purposes cannot be over-estimated. Our Grass and Clover Seeds have been sown season after season with great profit and satisfaction to thousands of our customers. Steadily increasing sales testify not only to their trustworthiness, but to the general satisfaction they give everywhere.

The Grass Seed Mixture is supplied as desired, mixed for mowing or permanent pastures. Price, per bushel (14 pounds), \$2.50. Not prepaid.

Clover Mixture of the best varieties and highest quality should be sown with above at the rate of 10 pounds to the acre. Price, 10 pounds for \$2.00. Not prepaid. In larger quantities write for special quotations.

We furnish the Grass and Clover Seeds Separately, as the Clovers have greater weight. Clover should be sown separately, and it is recommended to sow only in the spring.

Meadow or Pasture Mixtures for One Acre.

The quantities given are the minimum, and may often be increased to advantage.

No. 1. On Good Land, neither Too Dry nor Too Wet.

3 lbs.	Red Top.
1 "	Meadow Foxtail.
½ "	Perennial Sweet Vernal.
2 "	Tall Meadow Oat Grass.
3 "	Orchard Grass.
2 "	Hard Fescue.
2 "	Sheep's Fescue.
4 "	Perennial Rye Grass.
16 "	Timothy.
1 "	Red Clover.
½ "	Alsike Clover.

35 lbs. Price per acre, \$4.75.

No. 2. For High and Dry Land.

3 lbs.	Red Top.
4 "	Tall Meadow Oat Grass.
2 "	Meadow Brome Grass.
½ "	Crested Dog's Tail.
5 "	Orchard Grass.
2 "	Hard Fescue.
3 "	Sheep's Fescue.
1 "	Meadow Soft Grass.
12 "	Timothy.
1 "	Rough-stalk Meadow Grass.
1 "	Red Clover.
½ "	White Clover.

35 lbs. Price per acre, \$5.50.

No. 3. On Wet, Late Land.

5 lbs.	Red Top.
2½ "	Creeping Bent Grass.
5 "	Orchard Grass.
2 "	Tall Meadow Oat Grass.
2 "	Meadow Fescue.
1 "	Tall Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
10 "	Timothy.
1 "	Red Clover.
½ "	Alsike Clover.

35 lbs. Price per acre, \$5.25.

Pasture Mixtures of Grasses for One Acre.

No. 4. On Good Land, Neither Too Dry nor Too Wet.

2 lbs.	Tall Meadow Oat Grass.
2 "	Red Top.
½ "	Perennial Sweet Vernal.
4 "	Orchard Grass.
3 "	Sheep's Fescue.
1 "	Hard Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
1 "	Meadow Foxtail.
7 "	Kentucky Blue Grass.
6 "	Timothy.
½ "	Yellow Trefoil.
1 "	Red Clover.
1 "	White Clover.

35 lbs. Price per acre, \$5.75.

No. 5. On Dry Land.

3 lbs.	Creeping Bent Grass.
3½ "	Tall Meadow Oat Grass.
1 "	Meadow Brome Grass.
3 "	Orchard Grass.
1 "	Hard Fescue.
4 "	Sheep's Fescue.
½ "	Perennial Sweet Vernal.
6 "	Timothy.
5 "	Perennial Rye Grass.
2 "	Field Burnet.
4 "	Sainfoin.
1 "	Red Clover.
1 "	White Clover.

35 lbs. Price per acre, \$6.25.

No. 6. On Wet Land.

3 lbs.	Red Top.
4 "	Orchard Grass.
1 "	Meadow Fescue.
1 "	Tall Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
1 "	Meadow Foxtail.
8 "	Timothy.
1 "	Rough-stalk Meadow Grass.
8 "	Kentucky Blue Grass.
1 "	Alsike Clover.
1 "	White Clover.

35 lbs. Price per acre, \$5.25.

Awnless Brome Grass. (*Bromus Inermis*.)

All kinds of stock eat it greedily.

Rich in flesh-forming ingredients.

E HARDY perennial, standing extremes of heat, cold, and drought better than any of our cultivated grasses. In the south it remains green all winter. It grows with wonderful rapidity, and produces heavy hay crops and luxuriant pasture. Does well upon any soil. Lb. 25c; postpaid; 10 lbs., express or freight, \$2.00; 25 lbs. \$3.25; not prepaid.

Sow 35 to 40 lbs. to the acre as early in Spring as the ground can be worked.

RECLEANED

GRASS,
...AND...
CLOVER
SEED.

WE would call especial attention to this greatly superior grade of Seeds. By special machinery it is made absolutely free from chaff and almost if not entirely every weed seed is eliminated. The very slightly increased cost over the ordinary grass and clover seed is trifling, while every pound is actually worth two or three times as much as the grades usually sold.

...Grass Seeds...

BELOW we give the names and short descriptions of the very best varieties for general use.

PRICES on Grass and Clover Seeds change very frequently, so that we are unable to quote prices that are absolute. Get our prices before you buy. If you are in a hurry for the seed, remit us the sum you wish to expend and we will give you the full value of the money sent on the day order is received.

All quotations on grass seeds subject to market changes. Special quotations will be given at any time.

If wanted by mail add 8c. per lb. for postage. Two bu. bags to hold seed, 15c. each.

Grass Seed Mixtures for Mowing and Permanent Pasture, see page 54.



ORCHARD GRASS.

TIMOTHY. (Herd's Grass, Cat's Tail, *Phleum Pratense*.) Starts late and grows rather slowly, flowering about four weeks after Red Clover. It makes good hay, even if cut a few days after flowering, but will never bear close feeding to horses or sheep; 45 pounds to the bushel. Sow 12 pounds to the acre. Lb. 10c.; large quantities, market price.

ORCHARD GRASS. (Rough Cock's Foot, *Dactylis Glomerata*.) This is one of the most valuable and widely known of all the pasture grasses.

Its good properties are earliness, rapid growth and power to resist drought. It will endure considerable shade. If cut when in flower, or very soon after, it makes first rate hay; ripe, it makes poor hay. Flowers about the same time as Red Clover. Sow 24 pounds to the acre. Lb. 20c.; 100 lbs., \$10.00.

RED TOP. (Pennsylvania Herd's Grass, Burden Grass, *Agrostis Vulgaris*.) Thrives best on low lands, where it cuts a good crop of rather light hay of fair quality. Suitable for low pastures. Sow 2 bu. per acre; 14 lbs. to the bushel. Lb. 20c.; 100 lbs., \$9.00.

KENTUCKY BLUE GRASS. (June Grass, Spear Grass, Green Meadow Grass, *Poa Pratensis*.) Valuable pasture grass and for lawns when mixed with other grasses. It grows well in rather dry soil, but will grow on a variety of soils from the driest knolls to a wet meadow. It endures the frosts of winter better than many other grasses. Flowers in June. Sow about 28 lbs. to the acre early in the spring or during October or November. Lb. 20c.; 100 lbs., \$10.00.

PERENNIAL RYE GRASS. (*Lolium Perenne*.)

Nutritious and valuable; in most places not excelled by Blue Grass for pasture. It thrives on almost all cultivated soils; starts early and grows all summer. Height seldom over 18 inches. Flowers in June. 24 lbs. to the bushel. Sow 60 lbs. to the acre. Lb. 15c., 100 lbs., \$6.00.

ITALIAN RYE GRASS. (*Lolium Italicum*.) Yields an early and abundant harvest on any good common soil. Especially recommended for pasture mixtures. Lb. 15c.; 100 lbs., \$6.00.

MEADOW FESCUE. (English Blue Grass, *Festuca Pratensis*.) An excellent pasture grass, early, nutritious, and thrives well on all good soils. The long tender leaves are much relished by cattle. In addition to its being a pasture grass it makes a very good quality of hay. Flowers in June and July. Sow 40 lbs. to the acre. Lb. 15c.; 100 lbs., \$6.00.

MEADOW FOXTAIL. (*Alopecurus Pratensis*.) One of the finest varieties for permanent pastures, grows rapidly after the cropping of sheep and cattle. It grows well on all soils except the driest sands and gravels, but thrives best on a rich, moist, strong soil. Flowers in May. Sow 25 lbs. to the acre. Lb. 30c.; 100 lbs., \$20.00.

TALL FESCUE. (*Festuca Elatior*.) Produces large crops on strong, heavy land. Grows naturally in shady woods, roots deeply and stands dry weather remarkably well. Sow 40 lbs. to the acre. Lb. 25c.; 100 lbs., \$18.00.

HARD FESCUE. (*Festuca Duriuscula*.) A dwarf grass, desirable for dry localities where many other grasses would fail. Sow 30 lbs. to the acre. Lb. 25c.; 100 lbs., \$12.00.

PERENNIAL SWEET VERNAL. (*Anthoxanthum Odoratum*.) Useful as a mixture with other grasses on account of its early growth. It emits an agreeable odor when cut for hay. Sow 10 lbs. to the acre with other grasses. Lb. 35c.; 100 lbs., \$25.00.

TALL MEADOW OAT GRASS. (*Avea Elatior*, or *Arrhenatherum Avenaceum*.) It produces an abundance of foliage and is valuable for pasture, starts early, flowers early and roots deeply. Sow 50 lbs. to the acre. Lb. 25c.; 100 lbs., \$16.00.

WOOD MEADOW GRASS. (*Poa Memorialis*.) There is no grass better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other grasses can exist. Sow 30 lbs. to the acre. Lb. 30c.; 100 lbs., \$25.00.

ROUGH STALKED MEADOW GRASS. (*Poa Trivalis*.) One of the few varieties that succeed well in moist and sheltered situations, where it produces a constant and abundant supply of nutritive cattle food. Sow 20 lbs. to the acre. Lb. 30c.; 100 lbs., \$20.00.

CRESTED DOGSTAIL. (*Cynosurus Christatus*.) On dry, hard soils and hills it is valuable for its hardiness. Useful for lawn mixtures. Sow 25 lbs. to the acre. Lb. 25c.; 100 lbs., \$23.00.

CREEPING BENT GRASS. (*Agrostis Stolonifera*.) This variety is peculiarly useful for moist places which are occasionally overflowed, but where water does not stagnate. Also valuable for lawns. Sow 20 lbs. to the acre. Lb. 20c.; 100 lbs., \$15.00.

COMMON MILLET. (*Panicum Miliaceum*.) Height 2 to 3 feet; succulent stems; leaves broad and numerous, grows rapidly, and matures early. Can be planted as late as August and mature a crop of hay the same season. Sow $\frac{1}{2}$ bushel per acre—50 lbs. to the bushel. Bu., \$1.75.

HUNGARIAN MILLET. (*Panicum germanicum*.) A popular forage grass in dry sections and dry seasons; it endures drought remarkably well. Stalk leafy, 2 to 4 feet high, with slender heads; 48 pounds to the bushel. Sow $\frac{3}{4}$ bushel per acre. Cut when in blossom, and cure the same as clover. Bu., \$1.75.

PEARL MILLET. (*Egyptian, East India Millet, Pennisetaria spicata*.) Sow in light, sandy soil, well-manured. If cut when small, for feeding green, it produces a second crop; is one of the best of fodder crops in the south. Lb. 10c.

GERMAN, or GOLDEN MILLET. A great yielder, and one of the best of hay and fodder crops. Sow $\frac{3}{4}$ bushel per acre, 50 pounds to the bushel. Bu., \$1.50.

CLOVERS.

Prices on Clover subject to Market Changes. Write for special quotations. If wanted by mail or Express, prepaid, add 8c per lb. to prices named.

ALFALFA, or LUGERNE. (*Medicago Sativa.*)

Alfalfa flourishes in all Western and Southern States and has succeeded admirably in many localities of the North. The great value of alfalfa is in its enormous yield of green fodder, which should be cut when commencing to blossom; it is also highly relished by stock when cured into hay. The roots penetrate the soil to a great depth, they having been found in sandy soil 13 feet long; it is thus able to resist drought, therefore it will grow and yield abundantly in hot, dry sections and on poor, light sandy land. It, however, attains its highest perfection on mellow, well drained high or rolling land, where water readily passes away. Alfalfa is not adapted for heavy, sticky clays, nor for land where water stands a short distance below the surface. The seeds may be sown in the early fall or in the Spring as soon as the frost is out of the ground, in order to catch the Spring rain, as it needs moisture to germinate. Twenty to twenty-five pounds are required per acre if sown broadcast, eight pounds in drills. Thick sowing produces the finest hay. 60 lbs. to the bushel. Lb., 20c, not prepaid.

MEDIUM RED, or JUNE. (*Trifolium Medium.*)

The common Clover in general cultivation; grows 2 to 3 feet high, and is the best for hay. Makes excellent pasture when sown with Grasses, and is one of the best fodders for milch cows and sheep. When used alone, sow about eight pounds of seed per acre; 60 pounds to the bushel. Lb., 15c, not prepaid. Write for prices in quantity.

MAMMOTH, or LARGE RED. (*Pea Vine, Trifolium Pratense.*)

Grows 4 to 6 feet high. The variety best adapted to plowing under as a green manure, on account of the enormous mass of tops and roots which it produces. It makes an excellent hog pasture. Sow 8 pounds per acre; 60 pounds to the bushel. Market price. Lb., 15c. Write for prices in quantity.

WHITE. (*Trifolium Repens.*)

Low, with creeping stems. It is the best of the Clovers for permanent pasture, but prefers moist land. Mixed with Blue Grass or Perennial Rye Grass, or Taller Oat Grass, it makes a permanent pasture of great grazing value. Stems fine and palatable, bearing numerous leaves of bright green color blotched with white. Sow 6 pounds per acre when used alone, or 3 pounds with Grass seeds; 60 pounds to the bushel. Lb., 30c, not prepaid; 25 lbs., 25c per lb.



ALFALFA CLOVER.

GRIMSON CLOVER. (*Trifolium Incarnatum.*)

This is an annual clover for fall sowing only, and when ripe to cut for hay or seed it never starts again. It can be sown in August, September or early in October. It can be sown in orchards, in fields of growing crops, or in open ground after some other crop has been harvested. It germinates quickly, grows late in the fall and during warm spells in the winter, when red clover will not think of starting. Makes remarkably rapid growth in Spring and by the first week in May it stands two or three feet high and is in full bloom, ready to turn under as green manure in time for almost any Spring crop. It succeeds on nearly every kind of soil standing northern winter and southern summer. It can be cut for hay and for this purpose grows as easily as common red clover. It thrives on land so poor that the common clover would do but little. 10 to 15 lbs. are required to the acre. Lb., 15c, not prepaid.



SCARLET CLOVER.

ALSIKE, or SWEDISH. (*Trifolium Hybridum.*)

Hardy, resists extremes of drought and wet, yields large crops of superior pasture, and much liked by cattle. It is well suited to sowing on lands liable to wash, as its long fibrous roots spread over a wide area, and so interlace and hold the soil as to resist the heaviest rains. Can be planted on any kind of soil. Blossom heads round, resembling White Clover in shape, flesh colored, sweet and fragrant; much liked by bees. Sow 6 pounds per acre in spring or fall; 60 pounds to the bushel. Lb., 20c, not prepaid.

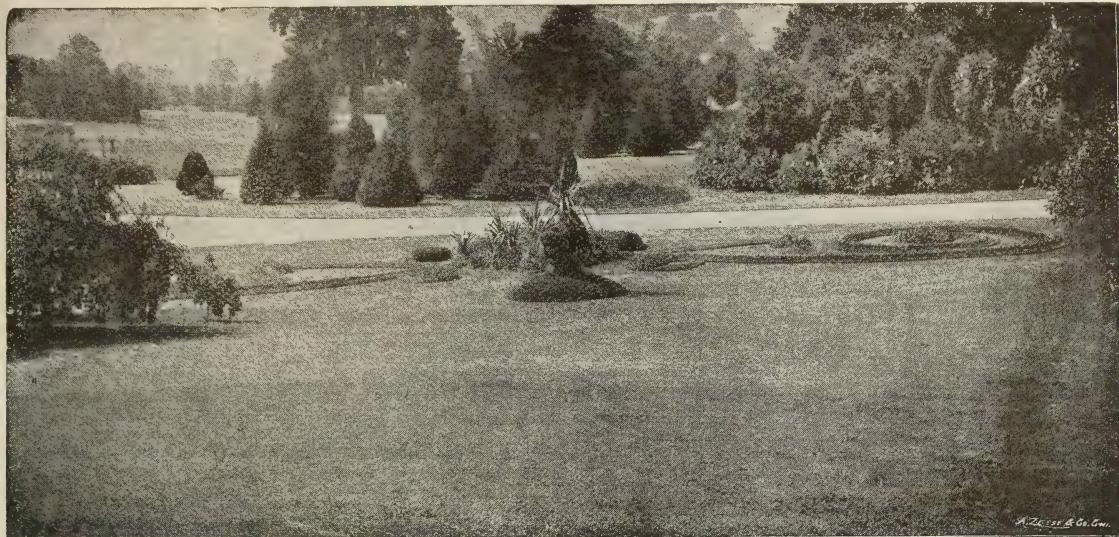


WHITE CLOVER.

Always add 8c per lb. for postage. Ask for quotations on bushel or 100-lb. lots.

GRASS SEEDS FOR LAWNS.

"The most beautiful thing that can be placed about a home is a well-kept lawn. It is the soul of the surroundings of a home. Not only is it one of the most beautiful but also useful features of the landscape. Grass is the carpet of the earth, and like the carpet of the house it should be used."



ONLY with the best material

can the highest and most satisfactory results be obtained. *It is now a decided fact that seed will make a better lawn than turf or sod.* Such being the case great care should be taken to secure the best and cleanest seed.

Careful and thorough experiments have proved a mixture of different dwarf, hardy, quick-growing varieties to be the best, rather than any one kind. Such a combination of grasses is

BARNARD'S "Perpetual Green" ... LAWN MIXTURE

It is unequalled for tennis and croquet grounds. The grasses of which it is composed will in the shortest time possible produce a beautiful dwarf, compact turf, which will endure the summer heat, and insure a rich, deep green sward throughout the season. We take every precaution by the most painstaking cleaning to eliminate as far as possible all weed seeds. Lb., 35c, postpaid. *Not prepaid*, lb., 25c; 5 lbs. or more at 20c per lb., bags included.

BLUE GRASS. Its uniform growth, creeping habit and beautiful color make it desirable for lawns. This grass lives longer than all others. Fancy cleaned, lb., 30c, postpaid. *Not prepaid*, lb., 20c; 5 lbs. or more at 15c per lb.

Special Mixture for "Shady Places."

WITH this mixture there need be no difficulty in getting grass to grow in the shade under the trees, etc., as it is a combination of grasses whose natural home is in woods and sheltered places. Lb., 40c., postpaid. *Not prepaid*, lb., 30c; 5 or more lbs. at 25c per lb., bags included.

Special rates quoted for large quantities.

Lawn Fertilizer

DRY
CLEAN
ODORLESS



it always contains more or less weed seeds. *There are no weed seeds in this fertilizer.* It will impart to your lawn that much desired dark green and velvety appearance. Should be applied as a top dressing either in spring or in fall.

QUANTITIES TO USE AND PRICES:

10-lbs. bag for 1,000 sq. ft. of lawn, or 500 sq. ft. of garden	\$.50
25-lbs. bag for 2,500 sq. ft. of lawn, or 1,200 sq. ft. of garden	1.00
50-lbs. bag for 5,000 sq. ft. of lawn, or 2,500 sq. ft. of garden	1.75
100-lbs. bag for 1/4 acre of lawn, or 1/2 acre of garden	3.00
200-lbs. bag for 1/2 acre of lawn, or 1/4 acre of garden	5.50

garden, it is one of the very best. 4 lbs., 25c; 10 lbs. 45c; 100 lbs., \$2.00, *not prepaid*. (Postage 16c per lb. extra).

PULVERIZED SHEEP MANURE.

As a top-dressing for lawns it is unequalled, being free from weed seeds, and exceedingly stimulating. For lawns it should be used at the rate of 500 pounds per acre. As a fertilizing agent for plants indoors, and in the open



GENERAL CULTURAL DIRECTIONS:

MOST flower seeds germinate well in a rather light sandy loam, exposed to the sun, while a few are benefited by partial shade, and some do best with an element of clay finely mixed with the soil. Nearly all the hardy seeds vegetate better when planted in early spring as soon as the soil can be worked fairly easily.

A general rule for the seed-bed is to have the soil rich, level and worked very finely. Sow the seed evenly in the rows, cover with the finest of soil, about three times the diameter of the seed, and press the soil firmly over the seed. The soil should never become dry after the seeds have swelled, for if it does, they will be pretty sure to fail. For this reason it is best to sow most small seeds in shallow boxes 2 to 3 inches in depth and of any convenient size, that the surface of the soil may be kept properly moistened.

After the seeds are up, care must be taken to give them plenty of air and moisture, and yet not too much water, or they will "damp-off" (rot at the top of the ground). As soon as the second leaves are well out they should be transplanted into pots or new boxes. When finally transplanted to the bed or border they should be watered frequently until well established.

ANNUALS grow, bloom and die the first year from seed. They are all of easiest culture.

BIENNIALS flower the second year, sometimes the third, then die. Some bloom the first year.

PERENNIALS usually bloom the second season and continue in life several years.

In this catalogue we abbreviate the classifications as follows:

A to designate Annuals. E for Everlastings.
B for Biennials. C for Climbing Plants.
P for Perennials. G. P. for Greenhouse Plants.

As to hardiness: H, hardy, H H, half-hardy, T, tender.

PLEASE ORDER FLOWER SEEDS BY NUMBER as it will save time in writing
and also in filling the order.
ALL FLOWER SEEDS will be sent prepaid at prices mentioned in this Catalogue.

DISCOUNTS. All purchasers of flower seeds in packets and ounces are entitled to liberal discounts. See top of order sheet and page ... of catalogue.

SIZE OF PACKETS. Our packets are well filled, so much so that they usually contain sufficient for two or more sowings.

SEEDS FOR SPECIAL PURPOSES

The following list will be found useful in making selections of suitable varieties for a given object.

LOW GROWING PLANTS

For Beds and Edgings.

Ageratum, Alyssum, Browallia, California Yellow Bells, Calliopsis, Campanula, Candytuft, Chrysanthemum, Daisy, Dianthus or Pinks, Escholtzia, Feverfew, Forget-me-not, Godetia, Heliotrope, Mignonette, Marigold (dwarf), Nasturtium (dwarf), Pansy, Phlox Drummondii, Poppy, Portulaca, Torenia, Verbena, Violets, Zinnia (dwarf).

CLIMBING PLANTS

For Porches, Etc.

Adlumia, Balloon Vine, Canary Bird Flower, Cobaea, Cypress Vine, Dolichos, Moonflower, Nasturtium (tall), Scarlet Runner Beans, Sweet Peas, Thunbergia.

For Fragrant Flowers.

Sweet Alyssum, Candytuft, Carnation, Four O'clock, Heliotrope, Mignonette, Pansy, Nasturtium, Stocks, Sweet Pea, Verbena, Violet, Wallflower.

FOR BOUQUETS.

14 Pkts.

"ONLY A QUARTER."

Sweet Alyssum. Agathea. Ageratum, mixed, Balsam, double mixed. Calliopsis. Carnation, Margaret. Candytuft. Convolvulus, Minor. China Pinks. Nasturtium, tall. Pansy, mixed. Sweet Peas, mixed. Zinnia, mixed. Price, the entire 14 pkts., 25c.

Here are fourteen choice annuals, easily grown, the best for cutting for bouquets. Aster, good mixed.

E for Everlastings.
C for Climbing Plants.
G. P. for Greenhouse Plants.

TALL GROWING PLANTS

For Backgrounds and Centers.

Abutilon, Adonis, Antirrhinum, Aquilegia, Aster, Balsam, Calendula, Canna, Castor Bean, Datura, Delphinium, Hollyhock, Helianthus or Sunflower, Lupins, Marigold, Mirabilis or Four O'clock, Nicotiana, Perilla, Salvia, Stocks, Sweet Williams, Zinnias.

FOR CONSTANT BLOOM.

Sweet Alyssum, Candytuft, Carnation, Celosia, Escholtzia, Nasturtiums, Petunias, Phlox Drummondii, Pinks, Portulaca, Sweet Peas, Verbena, Zinnia.

For Vases and Baskets.

Abronia, Alyssum, Gilia, Kenilworth Ivy, Lobelia, Maraundia, Mimulus, Nasturtium Lobb's, Nierembergia, Schizanthus, Sedum, Vinca, Verbena.

WILD FLOWER GARDEN MIXTURE.

These mixed flower seeds embrace more than a hundred varieties of such easy growing and pretty flowers as are suitable for forming a wild flower garden. They are very useful for woodlawn walks, roadsides, railroad embankments and for sowing alongside of fences, and on any untidy bare spots of ground which are so frequently unsightly and which, if properly cared for and kept free from weeds, produce a continual display of bloom during the summer. Pkt., 5c.; oz., 25c.

For the Latest Novelties and Recent Introductions see front pages.

General List of FLOWER SEEDS

ABRONIA (Sand Verbena).

Sweet scented trailing plant bearing beautiful flowers in large trusses like the Verbena. Desirable for beds, rock work, and hanging baskets. 6 in. H. H. A.

2000. *Umbellata*. Rosy lilac, white center. Pkt. 5c.

ABUTILON (Flowering Maple).

Shrubby plants for greenhouse and window culture, and in the garden in summer. Seed started in March under glass produces flowering plants the first season. 5 to 6 ft. H. H. P.

2001. *Mixed*. White, yellow, rose, etc. Pkt., 10c.

ADLUMIA CIRRHOSA.

(MOUNTAIN FRINGE OR ALLEGHENY VINE).

2023. A pretty and graceful climber, with finely cut, pale green leaves. Produces abundance of pale pink flowers in summer. Does best in a moist, cool situation. Pkt., 5c.

ADONIS.

Showy border plant of easy culture; dark green leaves.

2002. *Æstivalis*. Scarlet flowers. 1 ft. H. A. Pkt., 5c.

AGATHEA (BLUE DAISY).

Small, daisy-like flowers, sky blue with yellow center. Good for outdoors in summer, and as a pot plant during winter. 1 ft. G. P.

2012. *Coelestis*. (BLUE MARGUERITE). Pkt., 5c.

AGERATUM.

A desirable window plant for winter, and much used for bedding in summer in combination with Coleus and Geraniums. Bears clusters of feathery flowers the entire season. Starts easily and grows rapidly. H. H. A.

DWARF . 9 inches. Pkt.	TALL . 18 inches. Pkt.
2017. Blue - - 5c.	2024. Blue - - 5c.
2022. White - - 5c.	2025. White - - 5c.
2023. Mixed - - 5c.	2032. Mixed - - 5c.

NEW AGERATUM. Blue Perfection.

2017a. Of dwarf habit. The darkest blue Ageratum grown from seed. Pkt., 10c.

SWEET ALYSSUM.

2057. Used chiefly for edging beds, and in window boxes. Its fragrant white flowers are prized for bouquets. The blossoms are produced all summer. 6 in. H. A. Pkt., 5c.

ALYSSUM. Little Gem.

2058. Of dense growth and very dwarf—4 inches. Commences to bloom early and continues until frost. Pure white blossoms. Pkt., 5c.

2068. *Saxatile*. Blooms in early spring. Golden yellow flowers. 9 in. H. P. Pkt., 5c.



ABRONIA.



ADLUMIA.



ALYSSUM.



LOVE LIES BLEEDING.

AMARANTHUS.

2033. *Caudatus*. (LOVE LIES BLEEDING). Of rapid growth, easy culture, and very showy. Long, dark red, drooping flower spikes. H. A. 2 to 3 ft. Pkt., 5c.

AMPELOPSIS VEITCHII, or BOSTON IVY.

2045. A hardy climber, with pretty, dark green leaves which change to bright scarlet in fall. Will cling to the smoothest wall; requires no wire or string to run upon. Pkt., 10c. For prices of Plants see "Climbing Plants," page 93.

ANEMONE (Windflower).

2046. Beautiful and showy flowers like Poppies, fine for bouquets. Mixed colors. 9 inches. H. P. Pkt., 5c.

ANTIRRHINUM (Snapdragon).

A garden plant having dark, glossy leaves, and curiously shaped, showy colored flowers with spotted throats. Though perennial, they blossom the first year, if seed is sown early. Slightly covered with leaves they withstand our winters. 1½ to 2 ft. H. H. P.

New Giant Flowered Snapdragon.

2039. Valuable for bedding out, the plants being very compact. They become completely covered with rich and brilliant large flowers. Mixed colors. Pkt., 10c.

2038. **QUEEN OF THE NORTH**. A pure white variety of the foregoing. Excellent for cut flowers. Pkt., 5c.

2047. **Tall Snapdragon**. 2 ft. Mixed. Pkt., 5c.

2048. **Dwarf Snapdragon**. 1 ft. Mixed. Pkt., 5c.

AQUILEGIA, or Columbine.

Columbines produce, in May and June, large quantities of beautiful flowers, in blue, red, white, and yellow, which are effective, not only on the plant, but are desirable for cut flowers for vases, etc. 1 to 3 ft. H. P.

2049. *Chrysanthia*. Bright golden yellow. Pkt., 5c.

NEW DOUBLE COLUMBINE.

2049a. *Chrysanthia fl. pl.* A splendid new double yellow-flowered Aquilegia. Pkt., 10c.

2050. *Cerulea*. Violet blue, and white. Pkt., 10c.

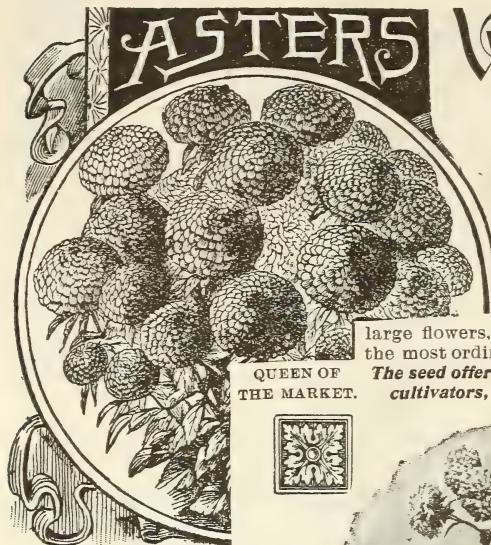
2051. *Single Columbines*. Mixed. Pkt., 5c.

2056. *Double Columbines*. Mixed. Pkt., 5c.

ARCTOTIS GRANDIS.

2067. An annual from Africa. Attains a height and breadth of 2 to 2½ feet. Flowers 2 to 3 inches across, daisy-like, with numerous narrow white petals, zoned yellow at the base, and lilac tinted on the reverse side. The center is of azure blue, making a combination of rare, delicate tints. Culture of the easiest. Pkt., 25c.





**QUEEN OF THE
MARKET
ASTER**

The Earliest of All.

OF RARE beauty, dwarf, and branching in habit, with large flowers of various colors. Its chief merit is its earliness — three weeks ahead of other Asters. An excellent sort to grow under glass.

- 2327. **White**, Pkt., 5c.
- 2328. **Pink**, Pkt., 5c.
- 2333. **Crimson**, Pkt., 5c.
- 2334. **Purple**, Pkt., 5c.
- 2339. **Light Blue**, Pkt., 5c.
- 2344. **Mixed**, Pkt., 5c.

VICK'S Late Flowering

BRANCHING ASTERS.

may be formed from the statement that one plant has covered a space two and one-half feet square. The flowers, four inches across are produced on stems 18 to 20 inches in length.

- 2125. **Snow White**. Pkt., 10c.
- 21251. **Mixed**. Pkt., 10c.

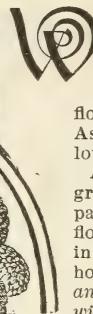
DAYBREAK, 2194.

CHIS beautiful Aster has many admirers. It blooms early and continuously. Of erect and graceful habit, with delicate shell-pink colored flowers, it is truly a gem which no garden should be without. Pkt., 10c.

MIGNON.

One of the finest Asters for cut-flower work. Flowers are of good size, like those of Victoria, and more freely produced. Height about fifteen inches. Blooms almost continuously.

- 2089. **Pure White**. Pkt., 10c.
- 2084. **Mixed**. Pkt., 10c.

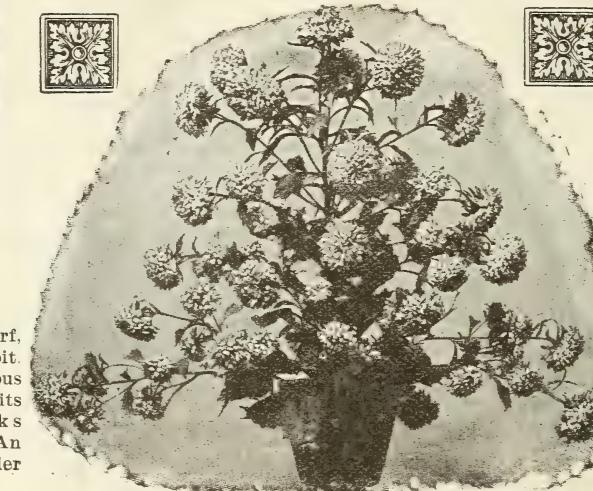


HEN almost all other flowers of the summer have passed, Asters come into bloom. For that reason, as well as on account of their very beautiful flowers of varied form and color, Asters are popular with flower lovers the world over.

Asters may be sown in the open ground after danger from frost is passed. Stronger plants and earlier flowers can be obtained by sowing in a light window, hotbed, or greenhouse. They require rich, loamy soil, and in dry weather should be mulched with well-rotted manure to produce

large flowers, yet they will succeed admirably in the most ordinary garden soil.

The seed offered have been grown by the most expert cultivators, and saved from double flowers only.



“Christmas Tree” Aster.

FROM the decided branching habit of the plant, so clearly depicted in the illustration, came the suggestion for a name. This Aster is recommended for culture in pots and out of doors for cut flowers. One of the best of late introductions.

- 2350. **Aster “Christmas Tree.”** Mixed. Pkt., 10c.

**Semple's...
Branching
Asters.**

THIS Aster is a strong grower, and its tendency to form numerous branches is very marked.

The flowers are borne on very long stems, and are four inches and more in diameter. The petals are broad, long, and many of them more or less twisted or curled in such a manner as to give the blooms the appearance of large, loose, and graceful Chrysanthemums.

- 2174. **White**, - - - - 5c.
- 2179. **Pink**, - - - - 5c.
- 2180. **Lavender**, - - - - 5c.
- 2190. **Crimson**, - - - - 5c.
- 2191. **Purple**, - - - - 5c.
- 2185. **Mixed**, - - - - 5c.

CARLSON'S IMPROVED

ASTERS.

Tall, upright-growing Asters of the Peony-flowered type, but much improved in form and size. Highly prized by Chicago florists for cut flowers.

- 2308. **White**, - - Pkt., 10c.
- 2309. **Pink**, - - - " 10c.
- 2314. **Lavender**, - " 10c.

Snowball or Princess.

A very beautiful and distinct Aster, having very short, thick petals, the flower bearing a resemblance to a dwarf or pompon Dahlia. A single plant will generally yield fifteen or more pure white flowers. Pkt., 10c.



BRANCHING ASTER.

PURITY. 2195.

IN ALL other respects except color, this is identical with Daybreak. Purity's blooms are white, early, erect, and graceful, like its companion. These two Asters planted in beds together, make a handsome combination. Pkt., 10c.

CROWN.

The flowers of this class are two colored. The center of each is pure white, with outer petals of various colors, such as crimson, blue, violet, etc. A large, full, double flower. Height, two feet.

- 2126. **Mixed colors**. Pkt., 10c.

..ASTERS...Continued.

TRUFFAUT'S

PAEONY FLOWERED.

For size of flowers, beauty of colors and habit of plant, this Aster is almost unrivalled. Flowers are incurved like those of a Peony, and of beautiful form with rich, brilliant colors. Plants grow about two feet high, stout and vigorous.

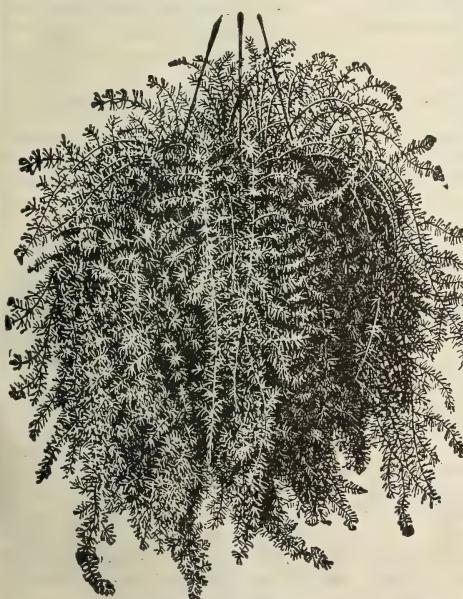
Pkt.

2085. Pure White.....	7c.
2091. Rose.....	7c.
2092. Blood Red.....	7c.
2097. Light Blue.....	7c.
2098. Dark Blue.....	7c.
2100. Dark Crimson.....	7c.
2102. La Superbe, sky blue.....	7c.
2107. Mixed Colors.....	5c.
2112. Imported Collection, 6 distinct colors.	25c.

COMET OR POODLE.

Next to the Victoria Aster, the Comet is the handsomest of tall growing Asters; it possesses many distinct characteristics, making it especially desirable. The flowers are handsome, very attractive, with long, curled and twisted petals formed into a large globe-shape. The giant flowered class have even larger flowers. All are produced on long stiff stems, making these Asters useful for corsage bouquets as well as for cut flowers.

2135. Giant White	Pkt. 10c.
2134. " Mixed.....	" 10c.
2127. Comet, Pink and White..	" 10c.
2127a. " Deep Rose.....	" 10c.
2133. " Light Blue.....	" 10c.
2136a. " Mixed	" 10c.



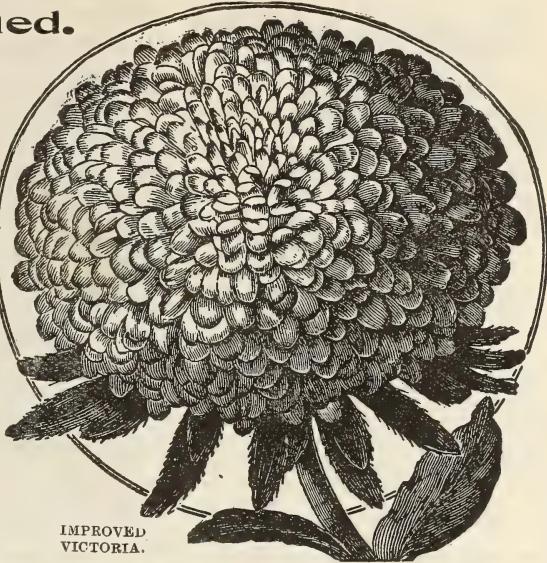
ASPARAGUS SPRENGERI.

IMPROVED VICTORIA.

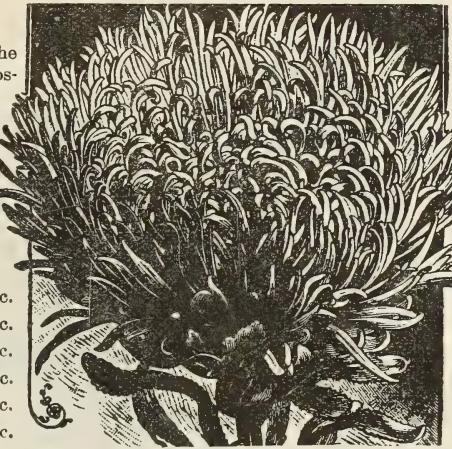
Among the tall growing Asters, having large double globular shaped flowers, this is one of the most handsome. Plants grow about twenty inches high, each one carrying from ten to twenty flowers. Our strain of seed is of unexcelled quality.

Pkt.

2069. White	10c.
2070. Rose	10c.
2071. Carmine	10c.
2076. Light Blue.....	10c.
2077. Dark Blue.....	10c.
2078. Crimson	10c.
2079. Finest Mixed....	10c.
2080. Imported Collection, 6 distinct colors.	35c.



IMPROVED VICTORIA.



NEW JAPANESE ASTERS.

Japanese Tassel Asters.

2081. A distinct and novel form of flower, resembling somewhat a tassel. Plants grow eighteen inches high, bloom freely; well developed flowers measure from four to five inches across, and are of an attractive light flesh color. Our illustration shows the needle-like, wavy and twisted petals. Pkt., 15c.

Ornamental Asparagus.

Two of the most popular plants of the day are described below. Both are easily grown from seed.

2211. ASPARAGUS SPRENGERI, or EMERALD FEATHER. A beautiful trailer that is of great value to grow as a pot plant for window culture. It is not affected by close, dry atmosphere. Leaves a rich green, flowers white followed by red berries. Pkt., 10 seeds 15c.

2212. PLUMOSUS NANUS. A beautiful climbing plant with bright green, gracefully arched foliage, surpassing Maiden Hair ferns in grace, delicacy of texture and richness of color. Pkt., 10 seeds, 15c.

VARIOUS ASTERS.

GIANT "SILVER TIPPED" New. These California Asters form a new section. They grow about 18 inches high and branch freely. The flowers are about three inches across with broad recurved petals, each of which is tipped with silvery white.

2137. Silver Tipped Pink.....	Pkt. 10c.
2137a. Silver Tipped Blue.....	Pkt. 10c. One Pkt. of each for 25c.

DWARF BOUQUET. Grow about one foot high. Each plant produces 15 to 20 blooms. Useful to form edgings to flower beds

2146. White	Pkt. 5c.
2156. Crimson	" 5c.
2161. Pink	" 5c.
2162. Dark Blue	" 5c.
2167. Mixed	" 5c.

2173. TRIUMPH. As the Queen is the largest so is Triumph the most beautiful of dwarf Asters. Each plant in bloom makes a scarlet bouquet. Grows eight inches high. Splendid for pot culture. Pkt., 7c.

DWARF QUEEN. For bedding and pot culture. Splendid for cutting. Height one foot.

2138. White	Pkt. 5c.
2139. Crimson	" 5c.
2145. Mixed	" 5c.

One of each for 25c.

OUR OWN MIXTURES.

Some of our patrons possibly would like a bed composed of a general and varied assortment of Asters, containing all the classes. We have therefore prepared two special mixtures of tall and dwarf varieties. One pkt. of seed will suffice for an ample quantity of plants to furnish a continuous supply of bloom.

2123. Asters, tall mixed....	5c.
2193. Asters, dwarf mixed..	5c.

BALSAMS. (LADY SLIPPER TOUCH-ME-NOT.)

THE BALSAM, one of the oldest of garden plants, has in late years been greatly improved, resulting in flowers larger, more double, and in greater variety of colors. Sow seed in the open ground in May. The young seedlings, in rich soil, soon become clothed with very handsome flowers. The seed pods burst open at the slightest touch, hence one of the common names by which this plant is known. 18 in. T. A.

Improved Camellia Flowered Balsams.

This is the strain chiefly used by florists, who give it preference on account of the *very large and perfectly double flowers*.

In separate colors or mixed. Pkt., 5c.

2200. Scarlet; 2201. Crimson; 2202. Yellow; 2206. White;
2203. Solferino, white, with scarlet spots and stripes; 2207. Mixed.

DOUBLE PURE WHITE BALSAM, "Alba Perfecta."

2208. This Balsam has always been in demand by florists for bouquets, etc. Its pure white, very double flowers, stem well. They are the largest and most perfect in form. Pkt., 5c.

2209. Carnation striped. White, striped with purple or scarlet like a Carnation. Pkt., 5c.
2210. Double Balsams, Mixed. A very good strain. Pkt., 5c.

BALLOON VINE.

(Love in a Puff.)

2213. A rapid growing climber, which succeeds best in warm soil. Flowers, white, seed vessels look like small balloons. 8 ft. A. Pkt., 5c.



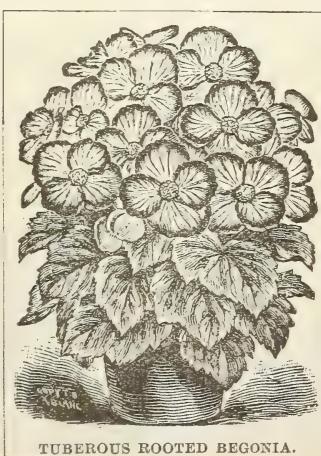
BROWALLIA SPECIOSA MAJOR.

ORNAMENTAL BEAN.

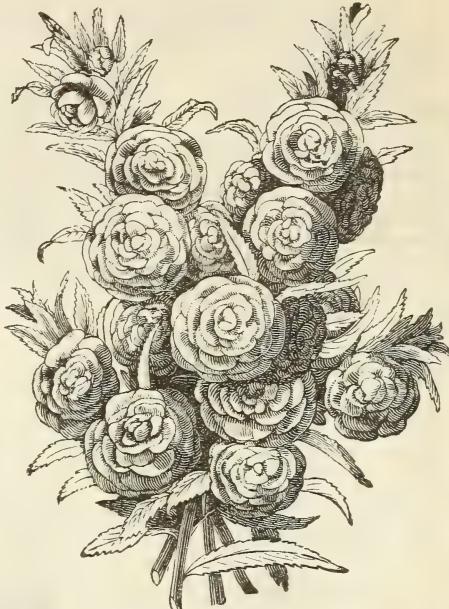
3526. Scarlet Runner. One of the good old standbys, for covering screens and trellises. Grows very rapidly, producing long rachemes of deep, scarlet flowers, from early summer until late fall, in great profusion. Pkt., 5c.

CANARY BIRD VINE.

2300. A rapid growing climber, which frequently attains the height of 10 ft., or more in the season. It will cover trellis work in the most thorough manner, producing in almost endless profusion, fringed, yellow flowers, which resemble a canary bird with expanded wings. Pkt., 5c.



TUBEROUS ROOTED BEGONIA.



WHITE PERFECTION BALSAM.

BROWALLIA.

Free blooming plants for house or garden, blooming throughout the summer. Flowers, blue or white. 18 in. H. A.
2214. Browallia, mixed. Pkt., 5c.

B. SPECIOSA MAJOR.

2221. Each plant forms a miniature bush about a foot high, and bears continuously, indigo-blue flowers with white throat. Valuable for winter window culture. Pkt., 10c.
2220. CACALIA. Easily grown annual. Flowers, scarlet, tassel shape. 18 in. Pkt., 5c.
2240. CALANDRINIA. For rock work and borders. Handsome pink flowers. 1 ft. H. A. Pkt., 5c.

CALCEOLARIA.

Plants suitable for greenhouse and conservatory. Their beautiful flowers are pocket-shaped, marked and spotted in various ways. T. P.
2241. Grandiflora. 18 in. 25c.
2242. Pumila. Dwarf. 12 in. Pkt., 25c.
2243. Rugosa. For bedding out. Pkt., 25c.

CALENDULA.

(Pot Marigold).

In fairly good soil these plants bloom continuously, affording a generous supply of cut flowers. 18 in. H. A.
2230. Meteor. Double yellow flowers, striped with orange. Pkt., 5c.
2235. Prince of Orange. Similar to "Meteor," but much darker in color. Pkt., 5c.
2236. Mixed, all colors. Pkt., 5c.

For Begonia Bulbs, see Bulb Department.



CAMPANULA. (Canterbury Bells.)

Very ornamental garden plants of the easiest culture. They produce large, nodding, bell-shaped flowers, of many beautiful shades, blue, white, purple, and spotted. 2½ ft. H. B.

2367. **Double**, mixed colors. Pkt., 5c.
2368. **Single**, mixed colors. Pkt., 5c.

"Cup and Saucer" Canterbury Bells.

2369. Large flowers, which somewhat resemble a cup and saucer. Mixed colors. Pkt., 5c.

"Cup and Saucer" Canterbury Bells.



CARNATIONS.

VALUABLE for garden culture in summer, and for the greenhouse, or window, in winter. They endure the winter out of doors with protection of leaves. General favorites for their beautiful, fragrant flowers. 1 to 2 ft. H. H. P.

Seedlings of the following, sown in May or June in the open ground,

Bloom the First Summer from Seed.

Margaret Carnation.

2376. Dwarf in habit, they require no support. The large, double flowers are fringed and fragrant. Colors, red, white, pink, and variegated. These Carnations make a fine display all season. Pkt., 5c.

2376. **Margaret**. Pure white. Pkt., 5c.

2378. **Giant Margaret**. Flowers three inches across; colors, mixed. Pkt., 10c.

2379. **Chabaud's Perpetual**. Grows taller than Margaret. Colors the same. Pkt., 10c.

2380. **Guillaud**. In this strain are found yellow, and yellow striped flowers. Pkt., 10c.

2381. **Giants of Nice**. Very large flowers, in rich and varied tints. Pkt., 25c.

BARNARD'S CHOICE MIXTURE.

2385. Contains seeds of all Carnations which bloom the first season after sowing. A packet will bring sufficient plants for a large bed. From it an ample supply of flowers for table decorations can be cut. Pkt., 10c.

Plants from seed sown in the open ground in May or June, of following varieties,

Bloom the Second Summer.

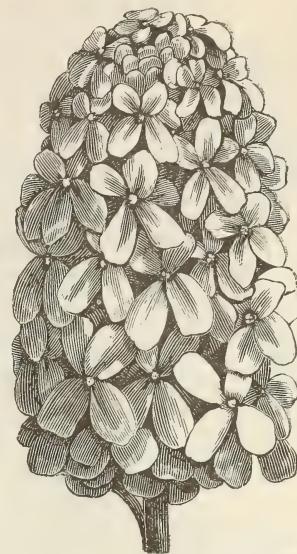
EARLY GRENADIN.

Very early flowering, dwarf growing, with large, fragrant flowers.

2378. **Scarlet**. Pkt., 10c. 2392. **White**. 10c.

2380. **Double Dwarf Vienna**. Excellent garden variety. Produces flowers freely. Pkt., 10c.

2380. **CARNATIONS. Double, finest mixed**. This seed, saved from choice named plants, should produce superior flowers. Pkt., 10c.



EMPERRESS CANDYTUFT.

CANDYTUFT.

UNEXCELLED FOR BOUQUETS.

ONE of the oldest garden plants. The dwarf varieties are chiefly used as edgings to borders, while all look well grown in a mass in a bed. The seeds should be sown where the plants are to bloom. A good way is in rows 6 or 8 inches apart, thinning out the plants so that those remaining will have plenty of room, as they branch quite freely. Keep seed heads off. 1 ft. H. A.

CANDYTUFT, Empress.

2383. A tall-growing variety, producing enormous flattened heads of pure white flowers, on a good stem. Pkt., 5c.

2384. **Carmine**. A rich, rosy hue, very distinct in shade. Pkt., 5c.

2385. **Dark Crimson**. Grows very erect, about 8 inches high. Pkt., 5c.

2386. **Lilacina**. Purple lilac. 1 ft. Pkt., 5c.

2384. **White Rocket**. This is a tall-growing variety, used by florists for cut-flower work. Pkt., 5c.

2385. **Dwarf White (TOM THUMB)**. Very dwarf habit, only about 6 inches high when in full bloom. Pkt., 5c.

2386. **CANDYTUFT, mixed**. Includes seed of all the above-named varieties. Continuous bloom throughout the entire summer, can be secured by sowing seeds, say once in two weeks. Pkt., 5c.

PERENNIAL CANDYTUFT.

2382. **Sempervirens**. Is entirely hardy. The plants grow compactly, and are valuable for the front rows of borders, or for low, permanent beds. Its pure white flowers are produced early in the season. 1 ft. H. P. Pkt., 5c.



CELOSIA — TRIUMPH OF THE EXPOSITION.

CALLIOPSIS or Coreopsis.

The Calliopsis or Coreopsis is among the brightest and cheeriest of flowers. Because they grow anywhere and as freely as a weed they are not seen as frequently as should be. The flowers are produced on long stems thrown well above the foliage. The Calliopsis blooms all summer and its flowers are *unexcelled for bouquets*.

2479. **Golden Wave** (*Drummondii*). Plant is bushy and compact; flowers large, rich golden yellow with crimson-brown center. For a mass of golden yellow this is very effective. Pkt., 5c.

2478. **Calliopsis**. All colors mixed. Pkt. 3c.

NEW HARDY COREOPSIS, "California Sunbeams."

2493. **Lanceolata Grandiflora**. These lovely improved varieties are much larger and more beautiful than any heretofore offered; the flowers are exquisitely formed, some saucer-shaped, others cupped, delicately incurved, while some are quite flat, others like great Buttercups. The petals are broad, with plain round edges in some flowers; in others they are pinked, toothed or irregularly fringed; some are semi-double; in many the petals are daintily curled. They vary in color from pale light yellow to orange yellow, some of them being darker in shade around the eye. The flowers keep fresh in water for a week or ten days. Pkt., 10c.

DWARF CANNAS. LARGE FLOWERED.

... FRENCH ... FLOWERED.

For Canna Roots see Bulb Department.

Cannas within recent years have become most popular. They are stately plants with handsome foliage and showy flowers. The seeds are extremely hard and it is advisable to soak them 12 to 24 hours before planting. Cannas come readily from seed; that sown in January or February should produce blooming plants in July. After frost the roots can be dug up and kept over in a frost-proof room until planting out time.

2425. **Large Flowering French**. Saved the best and largest flowers only. All colors and shades are included. Pkt., 10c.

2426. **Canna. Mixed**. Tall old type. Pkt., 3c.

CHRYSANTHEMUMS

JAPANESE.

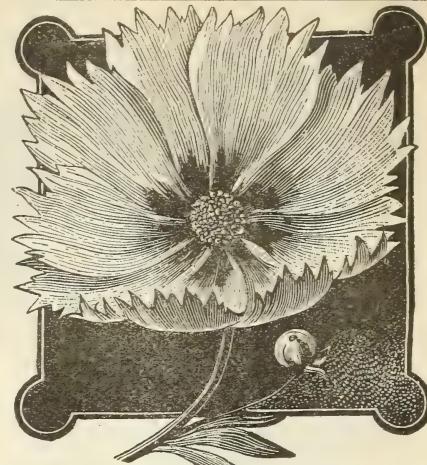
2444. Almost every large city now has its Chrysanthemum show each fall. The magnificent and enormous flowers elicit universal admiration. Seed we offer is from the best Chinese and Japanese. If this seed is sown in a hotbed in February or March, or even in April it will give plants which will bloom next fall. Some very choice varieties may be expected from this seed. Pkt., 25c.



CHRYSANthemum MAXIMUM.



CENTAUREA MARGUERITE.



CALLIOPSIS, GOLDEN WAVE.

CHRYSANTHEMUMS

ANNUAL VARIETIES.

The annual Chrysanthemums are distinct from the autumn flowering varieties, blooming all summer long. They make a beautiful show grown in pots or in beds, and are extensively grown as cut flowers.

2434. **Single. Mixed.** Pkt., 3c.

2439. **Double. Mixed.** Pkt. 3c.

HARDY PERENNIAL SORTS.

2445. **Frutescens Grandiflora**, ("French Marguerites.") Largely grown for cut flowers. They make elegant bushy pot plants for winter flowering, and bloom all summer in the garden. White. Pkt., 5c.

2447. **C. Maximum Perfection.** Beautiful large white flowers, splendid substance, 4 to 6 inches across. A compact, bushy plant, 18 inches high; very floriferous. Flowers in a few weeks from seed. Highly prized for cutting, and lasting in water fully a week. Very effective for garden. Pkt., 10c.

White Leaved CENTAUREA, or Dusty Miller.

Valuable bedding plants or for use in vases and hanging baskets; contrast effectively with dark foliaged plants. H. H. P.

2401. **Candidissima**. Silver white. 1 ft. Pkt., 10c.

2403. **Gymnocarpa**. Deeply cut foliage. 1 1/2 ft. Pkt., 5c.

Bachelor's Button or Centaurea Cyanus.

2399. An old favorite hardy annual, known as *Blue Bottle, Corn Flower, Ragged Sailor*, etc. It blooms readily almost anywhere and is largely used for cut flowers. Mixed colors in many shades. Pkt., 5c.

2404. **Emperor William**. Dark blue, very fine. Pkt., 3c.

2405. **Victoria**. A dwarf form of the favorite flower of Emperor William I., which grows only about 9 inches high, forming a bell-shaped plant. Its handsome blue color, so rare among flowers, will secure it a place in every garden. Pkt., 10c.; 3 for 20c.

2398. **Cyanus Fl. Pl. (Double Cornflower)**. Large, double globe-shaped flowers in new and beautiful colors. Pkt., 5c.

NEW CENTAUREA, Marguerite.

2397. This fine annual from Italy, named in honor of the queen of that country, has, after trial, proved of much merit. It is valuable alike for cut flower and decorative purposes. Grows about eighteen inches high. The large flowers are purest white, deliciously scented and borne on long stems. Pkt., 5c.

2396. **Chameleon Odorata**. This plant is a fitting companion for the lovely Marguerite above described. It produces large, fragrant, blue flowers, changing into white and again into pink. Pkt., 5c.

COSMOS

AN UNRIVALED PLANT FOR FALL BLOOMING.

WHEN grown in rows about 20 inches apart, or in masses in a bed, Cosmos produce a beautiful show. The early blooming sorts come into flower in *July and continue until November*. Each plant will reach a height of 3 to 4 feet covered with green feathery like foliage, and hundreds of daisy-shaped flowers borne upon long stems, making them most valuable for cutting for bouquets. The flowers retain their freshness for nearly a week after cutting. The colors are white, pink, crimson, and now a yellow has appeared. All are of great size, beautiful, dainty and handsome.

EARLY FLOWERING COSMOS, "Tints of Dawn."

Commences to bloom in July and continues until frost.

2508. This new variety comes into full flower in July, and continues a mass of bloom until cut down by severe frost. This feature will make the successful cultivation of Cosmos possible in the most northerly States and Canada; but added to this it is of dwarf, compact growth, growing only 4½ feet high, while the old variety growing alongside towers up nearly 7 feet, a victim of the first strong wind. The flowers are fully as large as in the best selections of the old type, the color is a beautiful white, relieved by a tint of rose. Pkt., 5c.

GIANT FLOWEDED FANCY COSMOS.

These gigantic flowers measure from four and a half to five inches across, and are of wonderful grace and beauty. They are of the greatest variety possible both in form and color, comprising both single and double flowers; petals fringed, pinked, toothed and plain, and in color from pure white through shades of pink and red to rich dark red—shades heretofore unknown among Cosmos

2509. Giant Red..... 5c.
2510. Giant White..... 5c.
2511. Giant Pink..... 5c.
2512. Giant Mixed..... 5c.

3 pks., all different, 25c.

2513. New Marguerite Cosmos. Large flowers from 2 to 3 inches across, petals deeply fringed, resembling Marguerites. Pkt., 5c.

ORANGE YELLOW COSMOS.

2514. This is entirely new both in color and habit. The plants grow 3 to 4 feet high with a mass of brilliant orange yellow flowers. They begin blooming very early, when only about 18 inches high, and continue until severe freezing weather. Pkt., 5c.

2127. CLEMATIS, Large Flowering.

Beautiful climber with lovely flowers in blue, white, purple, etc. Hardy, can remain in a permanent situation. Mixed. Pkt., 10c.



COSMOS.

COBÆA SCANDENS.

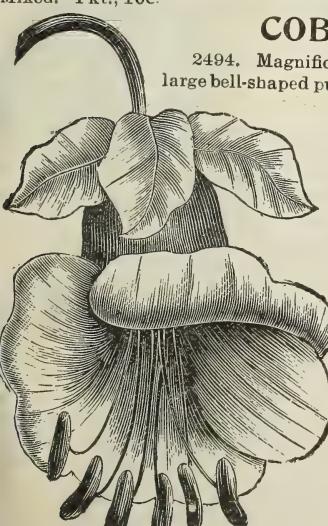
2494. Magnificent, rapid growing annual climber with large bell-shaped purple flowers, adapted for out-door growth in summer also for the house and greenhouse. A thrifty plant will often grow 20 to 30 feet in one season. The seed should be planted edge down, and no water given unless in a warm place, and the soil becomes very dry. H. H. P. 2499. Cobæa Scandens. White. Pkt., 5c.

COLEUS.

Handsome foliage plants **most easily grown from seed** and very popular for bedding also for pot culture. The new, large-leaved Hybrids with foliage notched and fringed in a most wonderful manner, are an immense improvement on other sorts. Seeds sown early in the spring will produce fine plants for outdoor planting. T. P.

2506. Finest Varieties in Mixtures. 1 to 2 feet. Pkt., 10c.

2507. New Large-Leaved Hybrids. Very large and superbly variegated foliage. Mixed. Pkt., 25c.



COBÆA SCANDENS.



CINERARIA GRANDIFLORA HYBRIDA.

CINERARIA.

The most popular and **the easiest house plant to grow from seed**. Sow from May to September. Plants grow from 1 to 3 feet high and are covered with flowers, some of them 2 inches across. Greenhouse perennial.

2387. ENGLISH PRIZE STRAIN. Without an equal for size of flowers or beauty of color. This is the strain we supply to florists and it gives such universal satisfaction we have discarded all others. Pkt., 25c.

2390. Cineraria Maritima. (Dusty Miller.) Extensively used for ribbon-planting, vases, hanging baskets, etc.; leaves silver gray; although perennial it is grown as an annual. Pkt., 5c.

CLARKIA. Pretty annual for flower beds. Flowers red, white, pink, purple, etc. Grows about 18 inches high and blooms freely all summer.

2415. Single, 3c. | 2416. Double, 3c.

2505. CLANTHUS Dampieri. The "Australian Glory Pea." A beautiful shrubby trailer. Flowers pea-shaped, in clusters, bright scarlet with clear, glossy black center. 3 ft. H. H. A. Pkt., 15c.

2504. CUPHEA Platycntra. (Cigar Plant.) Flowers scarlet, tipped with black. A favorite bedding and pot plant. Pkt., 10c.

CYPERUS or Umbrella Plant.

2265. A graceful decorative plant which grows readily in water and most easily from seed. The leaves radiate from the stem and curve downward in a drooping manner. Valuable for the window garden. Pkt., 5c.

CYPRESS VINE.

IPOMOEA QUAMOCITI.

2516. A handsome climber that will run 15 feet or more during the season. Should be planted by the side of a trellis, tree or stakes. Its beautiful dark green foliage and star-shaped flowers in clusters are a mass of beauty all summer long. Mixed. Pkt., 3c.

CYCLAMEN.

Tuberous rooted plants of beautiful foliage and handsome, fragrant flowers, scarlet, pink, white and these in different shades. Universal favorites for parlor or greenhouse for winter and spring blooming. They make flowering bulbs in one season if sown early in sandy soil. Comes easily from seed, insuring a supply of bulbs at trifling cost. G. P.

2518. *Persicum*. Best mixed varieties. Pkt., 20c.

GIANT FLOWERED CYCLAMEN.

A good specimen plant of this will frequently have fifty flowers open at one time. The leaves are proportionately larger, while the flowers are enormous, much brighter colored, and being on long, stout stems they are valuable cut flowers. Colors separate or mixed.

2522. *Light Red*. Pkt., 20c. | 2524. *White*. Pkt., 20c.

2523. *Dark Red*. Pkt., 20c. | 2517. *Mixed*. Pkt., 20c.

DAHLIA.

Tuberous rooted, fall blooming, outdoor plants, admired by everyone for their handsome flowers. Can be grown readily from seed which, if sown early in the house, will give blooming plants the same season. Colors, red, pink, white, yellow, purple, striped, variegated, etc. A packet of seed rarely produces two plants alike. Take up tubers soon as frost occurs in fall and preserve in a dry frost proof cellar. Two to four ft. H. H. P.

2525. *Double Large Flowered*. Sure to give splendid results. Pkt., 10c.

2526. *Single Mixed*. They make excellent cut flowers and are a mass of bloom all summer and fall. Star shaped flowers with broad petals in almost every color except blue. Pkt., 5c.

DELPHINIUM.—(LARKSPUR.)

Annual Varieties.

More commonly known as Larkspur. An old time annual of branching, erect habit, having showy flowers, red, white, blue, etc. Sow seed very early or even late in fall. Set branching sorts 2 feet apart. Rocket varieties, five or six inches apart.

2550. *Hyacinth Flowered*. The plants grow 2 to 3 feet high. The flowers very strongly resemble those of a Hyacinth, hence the name. Colors white, flesh tinted, lavender and blue in mixture. Easy to cultivate, but seed should be sown where the plants are to bloom. Mixed. Pkt., 10c.

2555. *Double Branching*. Valuable for cut flowers. Continues in bloom until cut down. Pkt., 3c.

2569. *Tall Rocket*. Mixed, fine. 1½ ft. Pkt., 3c.

2561. *Emperor*. Compact plant with numerous long spikes of brilliant double flowers; mixed. Pkt., 3c.

Perennial Varieties.

These are valuable plants for the permanent bed or border. Furnishing an ample supply of flowers.

2562. *Formosum*. Dark rich blue with a white center. 2 ft. Pkt., 5c.

2567. *Nudicaule*. Scarlet, dwarf, abundant bloomer. Fine for flower beds or pot culture. 1 ft. Pkt., 10c.

2568. *Pillar of Beauty*. Sky blue; of so bright a shade it must be seen to be appreciated. Pkt., 10c.

DOUBLE DAISY. (BELLIS PERENNIS.)

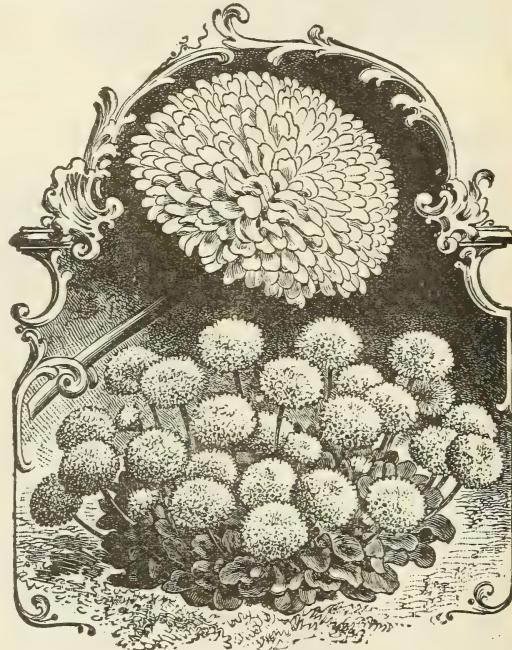
Charming plants indispensable for cool, shady places. Next to the Pansy the most popular garden flower. Seed sown early will give blooming plants in a short time. With protection Daisies will endure our winter and bloom in early spring. H. H. P.

2540. *Longfellow*. Double, dark pink flowers. Comes true from seed. Pkt., 5c.

2541. *Snowball*. A sport of Longfellow with pure white flowers. Free blooming and valuable for cutting. Pkt., 5c.

2542. *Double White*. Finest imported seed, saved from the most perfect flowers. A small proportion may come semi-double. Pkt., 5c.

2543. *Double Mixed*. An unsurpassed strain, including Longfellow and Snowball. Pkt., 5c.



DOUBLE DAISIES.

GIANT FLOWERED DAISIES.

2544. Remarkable for the enormous size and doubleness of their flowers. They are at least **two or three times larger** than the ordinary Double Daisies. The plants are stronger, bloom **earlier** and for a greater period. In color they run from snow white to blood red through pink, rose, etc. Mixed. Pkt., 10c.

2545. *Giant White*. The **best** double white Daisy. Enormous **pure white** flowers on long, stiff stems, making it valuable for cutting. Pkt., 10c.

DATURA.—(TRUMPET FLOWER.)

2527. Strong growing, branching plants, suitable for backgrounds and shrubberies. Trumpet-shaped flowers. White, lilac and yellow. Very showy. Mixed. Pkt., 5c.

2538. *Cornucopia*. (HORN OF PLENTY.) Leaves dark green, and the stem is brownish purple with a shining surface. The flower is trumpet-shaped, of immense size, often ten inches long and five inches wide at the mouth, with three cones or funnels, one within the other; the inside of tube of a delicate French white, marbled with royal purple on outside. Pkt., 10c.

DIGITALIS.—(FOX GLOVE.)

Showy plants of easy culture, with umbo-shaped flowers borne in spikes. Prefer half shady place. 3 ft. H. P.

2539. *Splendid Mixture*. Three feet. Pkt., 5c.

Dianthus or Pinks.

Garden Pinks, like their relatives the Carnations, are flowers for everybody. They thrive in any soil, grow ten to fifteen inches high and are covered from early summer until overtaken by frost with beautiful sweet-scented flowers in various colors; variegated, striped, red, and some almost black. Splendid for bouquets. All bloom the first season, and some endure our winters, bloom again another year larger and more beautiful than before. With these good qualities they should have a place in every garden. H. B.

Double Flowering Pinks.

2570. **China or India.** Large flowers as double and fragrant as a Carnation. Many colors mixed. Pkt., 3c.

2574. **China White.** Double white flowers. Pkt., 5c.

2579. **Double White Japan.** Splendid flowers for bouquets. Two to three inches in diameter. Pkt., 5c.

2584. **Japan Pink.** In this will be found many beautiful colors. Very large flowers. Mixed. Pkt., 5c.

2589. **Striped and Fringed.** Grand fringed flowers of light grounds, all of them striped with some other color. Pkt., 5c.

2594. **Imperial.** Blood red ground striped with pink and white. Different from other striped sorts. Pkt., 5c.

2604. **Diadem.** Rich flowers generally of dark shades marked with black and white. Pkt., 5c.

2609. **Mourning Cloak.** One of the most striking flowers. Flowers are very double, of large size and in colors range from maroon and purple to almost velvet black, all sharply edged with clear white, making a beautiful contrast. Pkt., 7c.

2610. **MIXTURE OF DOUBLE PINKS.** All the above double flowering pinks mixed. $\frac{1}{4}$ oz., 15c.; pkt., 5c.

SPECIAL OFFER.

2646. **Single and Double Pinks Mixed.** All the varieties described on this page will make a bed of beautiful flowers; scarcely two plants will be alike in bloom. $\frac{1}{4}$ oz., 15c.; pkt., 5c.



MOURNING CLOAK.



CHINA PINK.

For
Hardy
Grass Pinks
See Page 95

Single Flowered Pinks.

Formerly only double flowers were favorites; the prevailing taste tends towards single varieties. These single pinks are notable for brilliantly colored flowers of large size.

2611. **Single Fringed.** Mixed. Pkt., 5c.

2612. **Japan.** Blotched, striped and spotted. Pkt., 5c.

2613. **Crimson Belle.** Crimson flowers, beautifully fringed. Pkt., 5c.

2614. **Eastern Queen.** Beautifully fringed, marbled and suffused with carmine, rose, mauve and lilac. Pkt., 5c.

2615. **The Bride.** A very dwarf, compact plant, but with flowers of the largest size and of the richest possible combination of colors. The flower is a clear, pure white, with a radiant, glowing, crimson center, shading into a pink band next to the white border. Pkt., 5c.

2617. **MIXTURE OF SINGLE PINKS.** All the above single pinks in mixture. $\frac{1}{4}$ oz., 15c.; pkt., 5c.

Hardy Perennial Dianthus.

These form nice bushy plants twelve to eighteen inches high. They are unrivaled for permanent beds or edgings around borders. Flowers are fragrant and beautiful.

Pheasant's Eye Pink. Large, handsomely fringed, fragrant flowers of white, crimson or purple shades, spotted and variegated.

2618. **Single.** Pkt., 5c. | 2623. **Double.** Pkt., 10c.

Dolichos or Hyacinth Bean.

2628. A rapid growing annual climber, desirable for covering arbors, porches, trellises, etc. Flowers purple and white. Its seed pods are purplish in color, highly ornamental and edible. Ten feet. Pkt. 5c.

DRACÆNA OR CLUB PALM.

Ornamental leaved plants for vases and house decoration. T. P.
2633. **Australis.** Long, narrow, graceful foliage. Pkt., 10c.
2634. **Indivisa.** Thin leaves. Pkt., 5c. | 2635. **Lineata.** Pkt., 10c.

PHEASANT'S EYE PINK.

CALIFORNIA YELLOW BELLS.

(*Emmenanthe Penduliflora.*)

2656. This annual from California forms a broad bush eighteen inches to two feet high. Its branches are well clothed with yellow, bell-shaped flowers of a delicate cream color. The general effect of a branch is very suggestive of a long spike of Lily of the Valley, with large, yellow bells. Pkt., 7c.

EDELWEISS. (*Leontopodium Alpinum.*)

2721. The interesting white, downy leaved plant sought after by Alpine tourists. It thrives in any sunny garden. 6 in. H. P. Pkt., 10c.



FORGET-ME-NOT.

Forget-Me-Not.

(*MYOSOTIS.*)

BUSHY plants almost constantly in bloom all season. Flowers mostly blue, small, and in clusters. Early sown seed will bloom the same summer; that sown in fall, following spring. Planted in a single row around a flower bed, Forget-Me-Nots make a beautiful border. 6 in. H. P.

2672. *Alpestris.* Blue. Pkt., 5c.
2673. *Victoria.* Sky blue flowers, with yellow centers. Pkt., 5c.

2674. *Dissitiflora.* Compact and very early. Large blue flowers. Pkt., 10c.

2679. *Palustris.* The true Forget-Me-Not. Blue and white. Pkt., 5c.

2681. Mixed, all colors. Pkt., 5c.

GERANIUM.

PLANTS esteemed both for house culture and bedding out of doors. Sown early in the house the seedlings will bloom the first summer. 1 to 2 ft. G. P.
2682. *Zonale Varieties.* Saved from fine collections and many choice and ever entirely new varieties may be expected. 5c.

2683. *Apple Scented.* Its delightfully fragrant leaves are prized for use in bouquets. Apple scented geranium can be grown from seed only. Pkt., 10c.

ESCHSCHOLTZIA.

(*California Poppy.*)

HARDY annuals, useful for beds or massing. They begin to bloom in a few weeks from spring sown seeds and continue to flower until late in the fall. The State flower of California. The large, saucer-shaped flowers are of a beautiful yellow, orange, or white, the foliage is finely cut, giving the plants an exceedingly showy appearance. One foot. H. A.

2651. *Mandarin.* A new and very beautiful single variety. The outer side of the petals are brilliant scarlet, side rich orange. Pkt., 5c.

2652. *Rose Cardinal.* The flowers are of rich rose-colored hue, most effective and beautiful; single. Pkt., 5c.

2653. *Single Mixed;* all colors. Pkt., 5c.

2655. *Double Mixed;* all colors. Pkt., 5c.

EVERLASTINGS.

EVERLASTINGS, so called, take their name from the fact that their flowers, cut when in full bloom and dried in the shade, retain their form for years thereafter. Except *Gomphrena*, which is tender, requiring heat to start into growth, all may be sown out of doors in any good garden soil. The growing plants are ornamental, and the dried flowers are desirable to work into wreaths and winter bouquets.

1 to 2 ft. A.

2657. *Acroclinium.* Rose and white.

2662. *Gomphrena.* Red, like clover heads.

2663. *Helichrysum.* Mixed. These flowers can be dyed to any desired color.

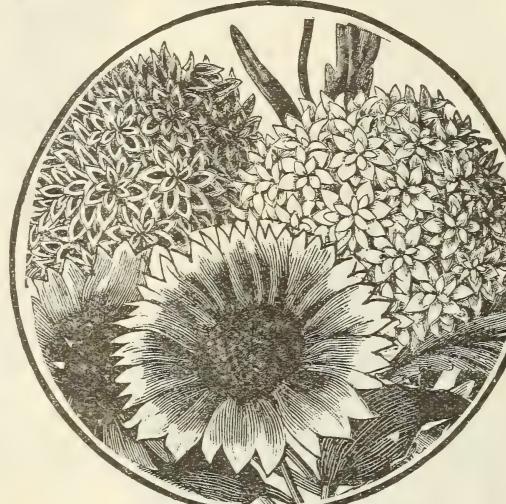
2664. *Silver Ball.* Double, white.

2665. *Helipterum.* Yellow.

2666. *Rhodanthe.* Various colors, white, pink, crimson, etc. Mixed.

2671. *Xeranthemum.* Purple and white. Form and color retained longest of all.

Any of above, Pkt., 5c. 1 of each (7) for 25c.



GAILLARDIA.

GAILLARDIA.

(*Blanket Flower.*)

SHOWY, hardy plants, useful for beds, borders, and cut flowers. Worthy of better recognition. They do best in good, light soil, commence to bloom early, and continue until late in autumn. The flowers are 2 to 3 inches across, in several shades of yellow, orange, and crimson. 2 ft. A. and P.

2695. *Single, mixed.* Pkt., 5c.

2694. *Double (LORENZIANA.)* Their flowers are round and full like a Chrysanthemum. Pkt., 5c.

2693. *Grandiflora Superba.* Perennial. Large flowers of deep, rich crimson, margined yellow. 5c.

2696. *New Hybrids.* Beautiful flowers in rich and varied colors, as dazzling scarlet, with gold edge, blood crimson with yellow edge, yellow with orange disc, golden with scarlet border, pure yellow, fiery crimson, and many others. Pkt., 10c.



GILIA.

GILIAS have finely cut foliage and clusters of small, delicate flowers, white, lilac, and rose color. Sow seed any time in open ground. 1 ft. H. A.

2701. *Gilia, mixed colors.* Pkt., 5c.

2702. *Gilia, dwarf white.* Pkt., 5c.

GODETIA.

These plants are suitable for beds, borders, for pots, and to grow in shady places. They bloom from early spring until frost. Their large flowers are very beautiful glistening in the sun. Many shades and variations in color, pure white, bright red, dark crimson, and spotted. 18 in. H. A.

2710. *Godezia*, mixed. Pkt., 5c.

Ornamental Gourds.

Climbers of rapid growth, desirable for covering old trees, trellises, walls, etc. They bear fruits in varied and odd shapes. If these are allowed to ripen on the vines, they can be kept as curiosities. 20 ft. T. A.

2697. *Nest Egg*. Looks like an egg. Pkt., 5c.

2698. *Dish Cloth*. The inner fibre is used as a sponge or dish cloth. Pkt., 5c.

2699. *Sugar Trough*. Shaped like a pumpkin. Pkt., 5c.

2700. *Gourds*, mixed. Pkt., 5c.

HELIANTHUS.

The *Helianthus*, or Sunflower, is well known. Many improvements have been made upon it, the newer varieties being now considered indispensable for cut flowers. In bloom from June until frost. 3 to 4 ft. H. A.

2713. *Multiflorus*. Forms a dwarf, well branched plant. Each branch carries a double globe-shaped flower of golden yellow. Pkt., 5c.



MINIATURE SUNFLOWER.

2715. *Miniature*. Flowers single, bright orange, elegant in form, suitable for bouquets as they measure only about two inches across. Pkt., 5c.

HELIOTROPE.

Deliciously fragrant plants, which, if sown early in warmth, bloom the first season. They are favorite plants for pot culture in winter, or bedded out in summer. Purple, lilac, and white flowers are borne continuously. 2 ft. G. P. 2723. *Dark sorts*, mixed. Pkt., 5c.

2724. *Mammoth Flowered*. This strain gives flowers almost twice the size of others. Colors from almost white to deep, dark purple. Pkt., 10c.

2732. *Heliotrope, finest mixed*. Pkt., 5c.

GLOXINIA.

This grand plant for pot culture in the house or in a shady place on the porch in summer, can be had in bloom four or five months from the time seed was sown. The handsome, bell-shaped flowers embrace rich and beautiful colors, from pure white to blood red, pink, blush, and spotted. 1 ft. T. P.

2703. *Gloxinia*, mixed. Pkt., 25c.



GORUDS.



JAPAN HOP.

Variegated Japanese Hop.

2767. One of the best plants for covering verandas, trellis, etc. Of very rapid growth, and foliage so luxuriant as to form a complete screen. The leaves are deep green, blottedched and splashed with white. Pkt., 10c.

2766. *Japanese Hop*. Seed sown in the open ground will produce vines in a short time. Leaves like the common hop, but more dense. Pkt., 5c.

Hollyhock.

FOR a background to a flower garden or any other place where tall, showy plants are needed for effect, the Hollyhock stands pre-eminent. The flower spikes, 5 to 6 ft. high, are crowded with large flowers as handsome and as double as a Camellia. 6 ft. H. B.

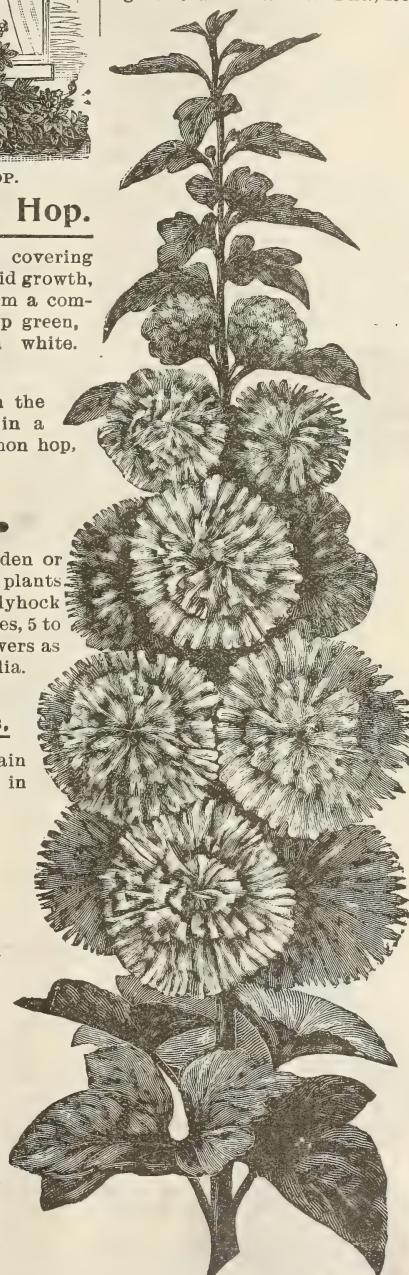
Chater's Prize Hollyhocks.

Any of the following: Pkt., 5c.

2740. White.	2755. Pink.
2741. Crimson.	2748. Yellow.
2742. Salmon.	2753. Maroon.
2743. Double Hollyhocks, mixed.	

MAMMOTH FRINGED ALLEGHENY HOLLYHOCK.**A Perpetual Bloomer.**

2765. This new variety blooms the first year from seed, and the flowers are most decidedly different than those of the old type. They are much larger, 4 to 5 inches in diameter, double and semi-double, fringed and curled. The colors are shell pink, rose, and ruby red, a shade or two deeper at the center, and exquisitely tinted toward the edge. Mixed. Pkt., 10c.



ALLEGHENY HOLLYHOCK.

GYPSOPHILA.

Dwarf plants suitable for hanging baskets or for edgings. Just the thing to work with other flowers into bouquets. The tiny white flowers are borne in abundance on long stems. In bloom from early summer until late frosts. A. and P.

2111. *G. Elegans*. White. Pkt., 5c.

2112. *G. Paniculata*. White; perennial. Pkt., 5c.

Grevillea Robusta.

2704. A beautiful decorative plant with fern-like foliage. Excellent for table decoration. Easily grown. 2 to 3 ft. G. P. Pkt., 10c.



IMPATIENS
SULTANI.
LANTANA.

2791. Bushy plants with large heads of variously colored flowers, orange, white, rose and others, with spicy fragrance. The flowers change color with age and are succeeded by deep blue berries. Lantanas grow very rapidly, requiring space to spread. Two feet. Pkt., 10c.

LOBELIA.

The cultivated herbaceous Perennial Lobelias have graceful foliage and beautiful flowers. The *Erinus* or hanging varieties are used for baskets, vases, etc., and the *compact* sorts for pots, borders and carpet bedding. They flower freely the first year from seed. T. P.

* COMPACT VARIETIES *

Six to ten inches.

2810. *Alba*. White. Pkt., 5c.

2809. *Speciosa*. Bright blue; for hanging baskets or vases. Pkt., 5c.

* COMPACT VARIETIES *

Four to six inches.

2812. *Barnard's Perpetual*. First sent out by a noted English seed grower. The flowers are of the most brilliant ultramarine blue, strikingly marked with a pure white blotch at base of each of the two lower petals. Pkt., 10c.

2808. *Crystal Palace Compacta*. Deep blue. Splendid bedder. Pkt., 5c.

2807. *Emperor William*. Light blue; pkt., 5c.

PERENNIAL LOBELIA.

2819. *Queen Victoria*. Dark scarlet flowers; dark leaves; very showy; three feet. Pkt., 10c.

2814. *Lobelia*. Varieties mixed. Pkt., 5c.



LANTANA.

Ice Plant

MESEMBRYANTHEMUM.

Beautiful dwarf growing plant with waxy-like foliage, which sparkles in the sun, and lovely little flowers. Splendid for hanging baskets and rockwork. Stands sun and drought admirably. H. H. A.

2780. *Crystallinum*. The whole plant covered with ice-like secretions; flowers purple. Pkt., 5c.

2785. *Cordifolium Variegatum*. The light colored leaves are very attractive for ribboning. Pkt., 5c.



ICE PLANT.

Impatiens Sultani.

2774. A Balsam from Zanzibar, Africa, blooming almost continuously winter and summer. Its rosy carmine flowers have a delicate, waxy appearance and are borne in great profusion. Its easy culture and vigorous growth make it a general favorite as a house or garden plant. Pkt., 10c.

2775. *Sultana Hybrida*. Remarkably beautiful hybrids of this much admired plant in various shades of colors, delicate pink, rose, violet and others. Mixed. Pkt., 20c.

IPOMOEÀ. See Moonflower.

JERUSALEM CHERRY.

(*SOLANUM CAPSICASTRUM*.)

2790. A shrub that succeeds well in pots. Dark green leaves, but especially admired for its small, pepper-shaped scarlet fruit. One foot. G. P. Pkt., 10c.

KENILWORTH IVY.

(*LINARIA*.)

2801. Hardy little climber and a valuable trailing plant. Clings to walls, etc., and is useful in baskets. Neat foliage and small, lavender colored flowers. P. Pkt., 5c.

LAVENDER.

2796. Sweet scented, shrubby perennial, with blue flowers. Its dried heads are used to impart an agreeable fragrance to linen closets. Pkt., 5c.

LINUM.

2802. A flax, with beautiful scarlet flowers and pretty foliage. Pkt., 5c.

2803. *Perennial Linum*. Mixed varieties. Pkt., 5c.



2813. *LOBELIA, White Gem.*

A COMPACT variety which forms a ball of *pure white* flowers, best of its color for beds and edgings. Splendid for pots; blooms in four weeks; pkt., 5c.

LATHYRUS. (EVERLASTING OR HARDY SWEET PEAS.)

2835. Climbers growing six to eight feet. Flowers red, white and flesh colored. The roots penetrate the ground to a great depth and survive our winters. Mixed. Pkt., 5c.

LUPINS OR SUN DIALS.

Easily grown showy plants, useful for beds and borders. Thrive in any soil. They have long spikes of pea-shaped flowers. Two to three feet. H. A.

2804. *Tall Varieties Mixed*. Pkt., 5c.

2805. *Dwarf Varieties Mixed*. Pkt., 5c.

2806. *True Blue*. This will please those who admire blue flowers. They are of large size and deep rich color. Pkt., 5c.

LYCHNIS. RAGGED ROBIN.

2834. An old time border plant; produces large heads of brilliant scarlet flowers. Succeeds in any good garden soil. Easy culture, blooms first year from seed. Two feet. H. P. Pkt., 5c.



LINUM.



MARIGOLD, EL DORADO.

MARIGOLD (Tagetes).

Marigolds are among the easy plants to cultivate. They make a splendid show in the garden from June until frost. African varieties grow tall. Their flowers are large and all of one color. French varieties are of dwarf habit and small flowered; some have handsomely striped or gilt-edged petals. H. H. A.

AFRICAN MARIGOLDS.

2851. **El Dorado.** Extremely large, double flowers, varying in shades from primrose yellow to deep orange. 3 feet. Pkt., 5c.
 2856. **Lemon Queen.** This forms globular plants about 18 inches high. Double, flowers of bright shade. Pkt., 5c.
 2858. **Double African.** Mixed. Pkt., 5c.

FRENCH MARIGOLDS.

2859. **Legion of Honor.** Bright, star-like, single flowers. The broad, flat petals are of a rich golden yellow, each distinctly marked in the center with a band of velvety crimson-brown. Pkt., 5c.
 2860. **Dwarf Striped.** Yellow and maroon. 5c.
 2865. **Dwarf Marigolds.** Mixed. Pkt., 5c.

MIMULUS.

These plants succeed best in rather moist ground and shady places. They bloom the first year from seed. Perennial if given house culture, and for outdoors H. H. A.



MIMULUS (Monkey Flower).

2920. **MONKEY FLOWER (M. Tigrinus).** Large flowers of various shades of yellow, splashed and dotted with crimson and maroon. 1 ft. 5c.
 2926. **Emperor.** This has been found a good variety to bed out in the garden. Pkt., 5c.
 2919. **MUSK PLANT (M. Moschatus).** The foliage emits a strong, musky perfume. Pkt., 5c.



MIGNONETTE, MACHET.

MIGNONETTE.

EVERY in and outdoor garden should have Mignonette in plenty. By frequent sowings of seed its fragrant flowers can be gathered out of doors until frost comes, while inside it is in bloom the year round.

Sow indoors in February or March and thin out or pot off the plants so that they can be bedded out about April 15. Sow again in the fall for winter flowering plants. In the open air sow in rows in April, and at intervals thereafter for succession. Observation has shown the most fragrant flowers are grown upon poor soil. 1 foot. H. A.

2892. **Grandiflora, or Large Flowering.** This is the well-known Sweet Mignonette. Beekeepers find it a good honey plant. Pkt., 5c.
 2899. **Gabriele.** New, sweet, red flowers borne on broad, massive spikes. Nine inches. Pkt., 5c.
 2905. **Golden Queen.** Large spikes of golden yellow flowers. Pkt., 5c.
 2906. **Victoria.** Dark green foliage, large, rich red flowers. Compact. Six inches. Pkt., 5c.

MIGNONETTE, MACHET.

WETHER for growing in pots or out of doors this fine Mignonette stands pre-eminent. *Neither in the way of handsome foliage nor in the size of flowers can any of the other sorts approach it.* In the garden it blooms until frost. Florists to whom we supply largely grow it all the year round.

The plants are *dwarf* in habit; the flowers are *three times as large* as ordinary Mignonette. They have a fragrance most delightful.

2914. **MACHET.** Oz., 65c; pkt., 5c.

2913. **Mignonette.** Mixture of many sorts. Oz., 20c; pkt., 5c.

MIRABILIS.

(Marvel of Peru, or Four O'clock.)

2871. **Fine Mixed Colors.** 2 feet. Oz., 15c; pkt., 5c.

Morning Glories...



IMPERIAL JAPANESE MORNING GLORIES.



THE MORNING GLORY is a favorite climber, which usually has a place in every garden. The rapid growth, reaching a height of 15 to 20 feet, in the rich green foliage, interspersed with brilliant colored flowers, makes this one of the best annual vines to cover porches or verandas. Sow seed early, in place plants are to bloom. H. H. A.

2946. **Tall Morning Glories.** Mixed colors. Oz., 10c; pkt., 5c.

2949. **Large-Flowering Morning Glory, "Rochester."**

This grand, new Blue Morning Glory is remarkable for the large size and new color of the flower. Vines strong, growing quickly 12 to 20 feet high, with magnificent foliage, leaves measuring from 8 to 10 inches across, and remaining on the vine close to the ground during the entire summer. Flowers 4 to 5 inches across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edge. Pkt., 10c; oz., 25c.

Imperial Japanese Morning Glories.

THESE now justly popular plants are noted for the enormous size—4 to 6 inches across—of their flowers. They are mottled, blotched, and striped, beyond description. It is well to soak the seeds 24 hours in advance of planting. Will grow in sun or shade. Sow in May. H. H. A.

2943. **Japanese Morning Glories.** Yellow. 10c. 2946. Mixed. Pkt., 5c; oz., 15c.

Dwarf Morning Glories.

2950. Plants in this section are fitted for beds or borders, being of low growth and spreading habit. The flowers remain open much later in the day than those of the tall sorts. In bloom from June until fall. Mixed. Pkt., 5c; oz., 10c.

2952. **MAURITANICUS.** Fine plant for baskets. Blue flowers. Pkt., 5c.

MOONFLOWERS.

Tall-growing, free-blooming climbers, allied to the Morning Glory family. As they make dense foliage, they are useful to cover trellis work, verandas, etc. Plant seeds out of doors when warm weather has set in. A.

2498. **Heavenly Blue.** Large, beautiful flowers, of sky-blue color. Pkt., 10c.

2955. **New Hybrid Moonflower.** White flowers. This variety blooms about 30 days earlier than others in its class. Pkt., 10c.

MOMORDICA.

(*Balsam Apple and Pear.*)

Ornamental climbers, with pretty foliage and flowers, followed by handsome fruit, which, when ripe, bursts open, exposing the bright red seeds within. 10 ft. H. A.

3045. **Balsamina.** (Balsam Apple.) Pkt., 5c.

3046. **Charantia.** (Balsam Pear.) Pkt., 5c.

NICOTIANA.

An annual that is ornamental, either as a pot or garden plant. Produces clusters of long, white, tube-shaped flowers, fragrant towards evening. Of easy culture. A.

3043. **N. affinis.** White. 2 ft. If taken up in the fall, cut back and potted, will bloom all winter. Pkt., 5c.

3044. **N. Sylvestris.** 4 ft. Of stout and branching habit. Long, pendant, pure white flowers borne in clusters. Shows to good effect planted in connection with Hollyhocks or Sunflowers. Its large and handsome foliage forms an excellent background for geraniums or other bright-colored plants. Pkt., 5c.

NIEREMBERGIA.

Handsome white and lilac flowers; suitable for hanging baskets. 1 ft. H. H. A.

3053. **N. Gracilis.** Constant bloomer. Pkt., 5c.

NIGELLA (LOVE-IN-A-MIST.)

Fine garden plants, with pretty cut foliage and curiously formed double white and blue flowers. Sow in the open ground early in spring. 1 ft. H. A.

3069. **Nigella Damascena.** Pkt., 5c.

ONOTHERA.

Better known as "Evening Primrose," the flowers opening suddenly in the latter part of the day. They are showy, single, mostly yellow. 1 to 2 ft. H. A. 3070. Pkt., 5c.



"SUNLIGHT" NASTURTIUM—Natural size flower.

DWARF OR TOM THUMB NASTURTIUMS.

BEAUTIFUL bedding plants. Their neat compact growth—about one foot—richly colored flowers, free blooming and long lasting qualities have made them general favorites. Price (except where noted), pkt. 5c; oz. 15c; postpaid.

- 3125. **Aurora.** Chrome yellow.
- 3108. **Beauty.** Scarlet, splashed with canary yellow.
- 3119. **Cloth of Gold.** Golden foliage; scarlet flowers.
- 3082. **Coeruleum Roseum.** Peach color.
- 3097. **Crystal Palace Gem.** Sulphur-yellow, spotted carmine.
- 3114. **Empress of India.** Blue-green foliage, flowers crimson.
- 3087. **General Jacqueminot.** Brilliant crimson.
- 3093. **Golden King.** Dark foliage—yellow flowers.
- 3098. **King of Tom Thumb.** Dark foliage, scarlet flowers.
- 3109. **King Theodore.** Maroon.
- 3124. **Lady Bird.** Orange yellow with red spots.
- 3107. **Pearl.** Creamy white.
- 3092. **Prince Henry.** White, spotted with scarlet.
- 3100. **Ruby King.** Light ruby red.
- 3095. **Rose.**
- 3094. **Scarlet.** A very brilliant shade.
- 3099. **Spotted.** Orange, spotted with maroon.
- 3096. **Yellow.**
- 3126. **Dwarf Nasturtiums Mixed.** In this will be found varieties of both light and dark colored foliage. The seed is so cheap it should be planted largely. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid.

New Liliput or Miniature Nasturtiums.

3201. A charming and distinct new strain that originated from the tall *Tropaeolum Lobbianum*, and is already famous for retaining the unusual brilliancy of color combinations for which the parent stock is noted. The plants are of smaller size than the well-known *Tom Thumb Nasturtiums*, while the flowers and round leaves are also smaller. The perfect flowers, borne in clusters on the top of each bush, embrace beautiful new colors. Pkt. 5c; oz. 15c.

LOBB'S NASTURTIUMS.

Much more brilliant in coloring than the tall sorts. Splendid for hanging baskets, etc. **Price, any kind, oz. 15c; pkt. 5c.**

- 3185. **Cardinal.** Dark cardinal red; superb.
- 3190. **Giant of Battles.** Sulphur, spotted with red.
- 3191. **Lucifer.** Richest, velvety deep crimson.
- 3199. **Lobb's Nasturtiums, Mixed.** The above six splendid sorts and others. Pkt. 5c; oz. 15c.
- 3192. **Napoleon III.** Golden, striped carmine.
- 3197. **King of the Blacks.** Very dark deep brown.
- 3198. **Spitfire.** Brilliant scarlet; very effective.

Nasturtiums...

THERE are few annuals which produce such a wealth of rich and various colored flowers as Nasturtiums. They are suitable for bedding and for climbers. They are easy to care for, thrive in poor soil and under almost any conditions.

THREE NEW NASTURTIUMS.

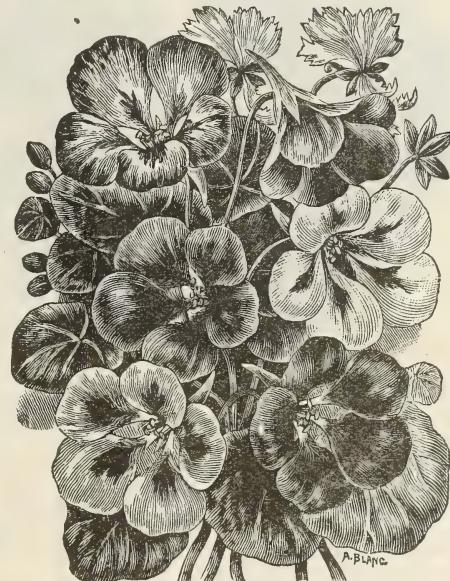
Chameleon. A very interesting new variety which has the unusual feature of presenting different colored flowers on the same plant. Some are all of one shade while others are variously stained, striped, blotched, or marbled. The contrast between the different flowers is decidedly marked.

3178. **Dwarf Chameleon.** Useful for bedding out. Pkt. 5c; oz. 15c.

3179. **Tall Chameleon.** Very good for screens and to train upon strings against stone walls and over lattice work. Pkt. 5c; oz. 15c.

Sunlight. 3180. This beautiful Nasturtium has handsome light-green foliage, lit up by myriads of clear rich, golden-yellow flowers, borne so profusely as to almost conceal the foliage. The petals are large and round, measuring more than $1\frac{1}{4}$ inches across, and are daintily crinkled, which gives a very pretty effect. Pkt. 5c; oz. 15c.

3077. **Hybrids of Md. Gunter.** These are climbing Nasturtiums distinguished by dark colored foliage and for richness and variety of coloring of the flowers, including shades seen in no other class. Pkt. 5c; oz. 10c.



TALL OR CLIMBING NASTURTIUMS.

Price (except where noted), pkt. 5c; oz. 15c, postpaid.

- 3150. **Atropurpureum.** Crimson.
- 3160. **Coccineum.** Scarlet.
- 3138. **Dunnett's Orange.** Bright orange.
- 3170. **Edward Otto.** Brownish lilac.
- 3155. **Heinmanni.** Chocolate.
- 3168. **Hemisphericum.** Yellow and pink.
- 3167. **Pearl.** Whitish.
- 3149. **Regalimum.** Purple violet.
- 3166. **Scheuerianum.** Spotted straw color.
- 3148. **Schillingi.** Yellow.
- 3127. **Von Molke.** Ruby rose.
- 3169. **Tall Nasturtiums, Mixed.** Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid; including most of the above.

Pansies



PANSIES thrive best in a cool, moist, but well-drained, soil, enriched with well-rotted barn-yard manure or fine-ground bone. Seeds sown in spring in a partially shaded situation will produce fine plants for autumn flowering. The finest blooms are to be obtained, however, by sowing in July or August, giving the plants protection during winter, when they will bloom profusely in the spring and summer.

NEW GIANT PANSY, "Madame Perret."

3248. One of the best introductions of years. Leaves broad, rich, deep green; flowers three inches across, sometimes lined and striped, but usually of one color of some shade of red from very light to quite dark. Pkt. (about 150 seeds), 15c.

3246. **Giant "Fiery Faces."** Rich scarlet, with a gold edge and yellow center.

3265. **Giant President McKinley.** Deep yellow, each petal marked with a violet blotch.

3253. **Giant Bugnot.** Large, round flowers, with shadings of colors not found in others.

3254. **Giant Cassier.** Three to five spotted, showy and rich.

3255. **Giant Parisian.** Flowers beautifully blotched and stained.

Giant Pansy Mixture.

3250. This includes not only seeds of the Giant Pansy, but also those of several new large flowered sorts with highly colored blooms, which are not obtainable otherwise than in this mixture. Pkt., 20c; 3 for 50c.

BARNARD'S

FLORISTS'

⇒ PANSY ←

MIXTURE.



3249. It is composed of the largest, newest, and most beautiful Pansies, including **Masterpiece**, **Madame Perret** in various shades of red, and other choice varieties. This mixture is chiefly made for, and is extensively used by, professional florists. A bed of Pansies from this seed presents a beautiful effect.

Pkt., 20c; 3 for 50c.
1-8 oz., \$1.50.

3256. **Giant Trimardeau.** Mixed. Flowers are marked with three blotches on lower petals. Pkt., 5c.

3257. **Giant Auricula Colors.** Dark.

3262. **Giant Aurora.** Pure White.

3263. **Giant Azure Blue.** Beautiful shade of sky blue.

3264. **Giant Coal Black.** Jet black.

3270. **Giant Purple.** Rich and velvety.

3280. **Giant Emperor William.** Navy blue, with purple eye.

3281. **Giant Five Spotted.** Petals blotched. Novel and beautiful.

3290. **Giant Lord Beaconsfield.** Upper petals lavender, lower ones deep purple. A beauty.

3291. **Giant Snowflake.** Pure white.

3292. **Giant Spotted White.** White with dark blue blotches.

3293. **Giant Striped.** (See cut.) Pkt., 5c. -

3294. **Giant Yellow.** Dark center.

3295. **Giant Yellow Gem.** Clear yellow.

3296. **Giant Violet Blue.** A lovely pansy, large and velvety.

PRIZE PANSIES.

Unequaled by any for bedding out.

PANSY plants grown from this strain are almost uniform in height. The flowers, while not as large as those of Giant class, are borne in great numbers and in a bewildering quantity of shades and markings.

Any of the following varieties, 5c per pkt.; 6 pkts. 25c.

- 3306. **Azur Blue.**
- 3311. **Black.** Very dark.
- 3312. **Black and Crimson.**
- 3323. **Bronze Colored.**
- 3324. **Brown Shades.**
- 3325. **Candidissima.** White.
- 3326. **Cardinal.** Scarlet.
- 3336. **Dark Purple.** Rich.
- 3337. **Emperor Frederick.** Purple, scarlet and yellow.
- 3338. **Emperor William.** Blue with purple eye.
- 3339. **English Face Pansy.** Blue.
- 3345. **Fire King.** Yellow, upper petals red.
- 3346. **Golden Gem.** Yellow.
- 3347. **Gold Margined.**
- 3348. **Havana Brown.** Glossy.

- 3349. **Light Blue.**
- 3350. **Lord Beaconsfield.** Lavender shade of blue.
- 3351. **Mahogany Colors.**
- 3352. **Mottled and Striped.**
- 3353. **Odier, or Five-Blotched flowers.** Beautiful.
- 3359. **Peacock.** Maroon, purple, and peacock-blue.
- 3360. **Prince Bismarck.** Bronze, and light yellow.
- 3361. **Purple, white edge.**
- 3362. **Quadricolor.** Steel-blue, edged with red and white.
- 3363. **Silver Edge.** Dark purple edged white.
- 3365. **Victoria.** Red, a rich and beautiful shade.

3251. **PRIZE PANSIES, mixed.** All the above and others in proper proportion of colors. Pkt., 5c.

PETUNIAS.

Few if any plants are more deservedly popular for bedding purposes, greenhouse or window culture. Their showy flowers both single and double are produced from early summer until late autumn. They bloom in a few weeks from seed, which being small, would better be sown indoors and the seedlings transplanted. T. P.

Large Flowering Petunias.

- 2968. **Giants of California.** Mammoth ruffled flowers marked and veined in many combinations in their deep, yellow throats. Pkt., 15c.
- 2970. **Fringed.** Beautiful, large flowers with fringed edges. Pkt., 15c.
- 2971. **Superbissima.** Grand velvety flowers of various colors and veined throats. Pkt., 20c.
- 2973. **Marginata.** Flowers rose color with light green margin. Pkt., 20c.
- 2974. **PETUNIAS, Large flowered, mixed.** Recommended for pot culture. Pkt., 10c.



POPPIES, like Dahlias and some other old fashioned flowers, are justly favorites. They will grow anywhere. Sow the seed where the plants are to bloom. All produce extremely showy flowers. 2 ft. A. and P.



- 2993. **Tulip Poppy.** Single dazzling scarlet flowers, whose outer petals form a tulip-like cup. Pkt., 5c.

Various Named Pansies.

- 3245. **COQUETTE de POISSY.** Slate or mouse colored flowers of good size and form. Pkt., 5c.
- 3247. **TROPAEOLUM QUEEN.** Dark maroon, flowers velvety like those of Nasturtiums. Pkt., 10c.

MASTERPIECE.

- 3297. The cut shows the flower one-half natural size. The colors are varied, edged with a light white or yellow edge. Strong and compact grower. Pkt., 25c.



- 3305. **PRESIDENT CARNOT.** A strikingly handsome Pansy. Pure white petals each adorned with a violet blotch. Pkt., 10c.
- 3371. **FAIRY QUEEN.** Large sky-blue flowers with silvery margin. Always admired. Pkt., 10c.
- 3373. **HORTENSIA.** Light and dark rose-colored flowers with prominent blotches on petals. Pkt., 10c.
- 3252. **SUPERB MIXTURE** of Trimardeau, Bugnot, Cassier, Odier and named Pansies. Pkt., 15c.

SINGLE PETUNIAS.

The Petunias under this head produce small flowers in great quantity. These plants are dwarf, 5 to 8 in. high, and are desirable for use in pots, hanging baskets, or grown in a mass in beds.

- 2960. **Fine Mixed.** Pkt., 5c.
- 2961. **Dwarf Inimitable.** Cherry red with white star. Pkt., 5c.
- 2962. **Blotched and Striped.** Pkt., 5c.
- 2964. **Pure White.** Pkt., 5c.

PETUNIA, Snowball.

2965. Splendid for pot culture and decidedly the best white for bedding. Pkt., 10c.

- 2967. **ADONIS.** Height and habit like Snowball. Carmine with white throat. Pkt., 10c.

DOUBLE PETUNIAS.

- 2980. **Lilliput.** Small flowers. 25c.
- 2981. **Striped and Blotched.** Pkt., 25c.
- 2982. **Fringed.** Pkt., 35c.
- 2983. **Pure White.** Pkt., 35c.
- 2984. **PETUNIA, Double Mixed.** Pkt., 25c.

NEW POPPY, "Miss Sherwood."

- 2995. Splendid variety for cut-flowers. Single, satiny white, shady white. Has beautiful foliage. Pkt., 10c.
- 2996. **Single Poppies.** Many sorts mixed. Pkt., 5c.

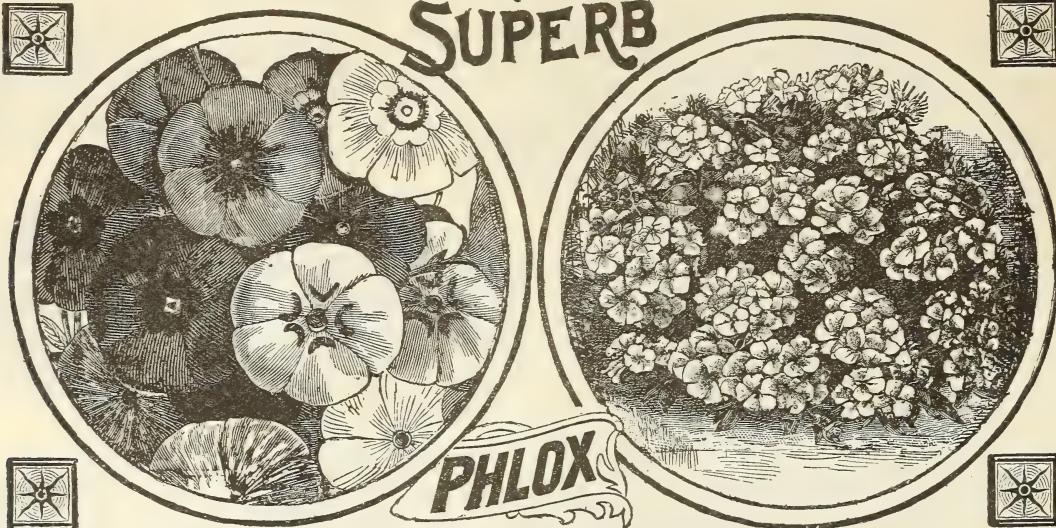
DOUBLE POPPIES.

- 2992. **White Swan.** Of bushy habit; beautiful fringed, pure white flowers. Pkt., 5c.
- 3001. **Peony Flowered.** Broad petaled, large Peony-like flowers. Pkt., 5c.
- 3012. **Snowdrift.** Pure white.
- 3017. **Carnation Flowered.** Showy, fringed flowers; mixed colors. Pkt., 5c.
- 3018. **Cardinal.** Deep green foliage; scarlet flowers. Pkt., 5c.
- 3019. **Double Poppies, Mixed.** Pkt., 5c.

HARDY PERENNIAL POPPIES.

These grow tall, 2 to 4 feet. They are showy and appear to good effect planted among shrubbery.

- 3026. **Iceland.** White and yellow mixed colors. Pkt., 10c.
- 3028. **Orientale.** Bright crimson. Pkt., 10c.



PASSION FLOWER.

3222. A good climber, suitable for outdoor cultivation in the South in summer, but chiefly grown in greenhouses. Flowers in several colors, composed of rays, afterwards succeeded by fruit. Mixed. Pkt., 5c.

PENSTEMON.

3227. Very ornamental plants that make a splendid effect in borders, etc. They bloom from June until late in the fall. The half-pendant bell-shaped flowers show beautiful shades and markings of scarlet, pink, white and blue. Sow in May in a cool, shady place 2 ft. H. P. Large flowering, mixed. Pkt., 5c.

PERILLA.

These are handsome foliage plants with dark, ornamental, broad and notched leaves. They grow about 18 inches high, and are used as background to geraniums and other bedding plants. H. H. A. Start seed under glass.

3238. *Nankinensis Atro Laciniatis*. Deep mulberry foliage, edges finely cut; 2 ft. Pkt., 5c.

3239. *Macrophylla*. Dark, finely cut foliage, dwarf, fine. Pkt., 5c.

PINKS.—See *Dianthus*.

PORTULACA.

One of the best hardy annuals to grow in beds, baskets or in rockwork. Thrives in the hottest sun and is one mass of bloom all summer long. The flowers are very showy and of different colors.

3220. Single, Mixed. Pkt., 3c.
3221. Double, Mixed. Pkt., 5c.

PYRETHRUM.

(Also known as *Feverfew*.) The varieties which are grown for their flowers may be found under the heading of *MATRICARIA* (page 71).

YELLOW LEAVED SORTS.

Bushy, dwarf growing plants, used principally for edgings to fancy beds. H. H. P.

3460. *Aureum*. (Golden Feather.) Yellow foliage. Pkt., 5c.

3465. *Golden Gem*. Double white flowers. Pkt., 5c.

3466. *Selaginoides*. (Fern leaved.) Very dwarf, golden yellow foliage. This makes a handsome edging to a bed of colors. Pkt., 5c.

PHLOX DRUMMONDI.

THIS is a favorite with everybody. It thrives in almost any soil, blooming in the greatest profusion from June until late fall. Seed may be sown in the open ground in May, indoors or in a hotbed earlier. The seedlings should be set out about a foot apart; if too thick mildew attacks them.

3458. *Phlox Drummondi*. Great variety of colors. Oz., 5c; $\frac{1}{4}$ oz., 15c; pkt., 5c.

DOUBLE PHLOX.

Excellent for cut flowers.

3404. White.....	5c.
3405. Scarlet.....	5c.
3406. Mixed.....	5c.

LARGE FLOWERING PHLOX.

The large flowering Phloxes show decided improvements in size, shape and color over the old Drummondi class. The flowers are round, the petals overlapping. 1 ft. H. A. 3419. *Splendens*, scarlet | 3422. *Carmine*, white eye
3420. *Pure White* | 3423. *Blood Red*
3421. *Rosy Carmine* | 3424. *Mixed*
3420. *Chamois Rose* | Per pkt., 5c; any 4 for 15c.

NEW DWARF PHLOX.

(*Nana Compacta*)

The little bushy plants grow rarely over 8 inches high and throughout the entire season they are full of flowers. They are recommended for culture in pots, beds or edgings of borders.

3439. <i>Pure White</i>	3450. <i>Rose</i>
3444. <i>Red</i>	3451. <i>Blood Red</i>
3445. <i>Blush Rose</i>	3452. <i>All Colors</i> Mixed Per pkt., 10c; 3 pkts. for 25c.

STAR SHAPED PHLOX

3434. Most attractive sort. The colors are about the same as in other Phloxes. Mixed. Pkt., 10c.

HARDY PHLOX.

3457. They are entirely hardy, grow tall, and their large heads of flowers of various colors make a grand show in summer. Hardy, mixed. Pkt., 10c.

BARNARD'S PHLOX MIXTURE.

3459. In this we include seeds of all the Phloxes above named except the hardy varieties. One pkt. will be ample for a large bed. If we had but one flower to plant in the garden it would be Phlox Drummondi in mixture. Large pkt., 10c.



HARDY PHLOX.



CHINESE PRIMROSES.

(*Primula Chinensis Fimbriata*).

WOULD it interest you to possess a lovely plant that will grow and bloom in a cool room, even in a north window, in the dreary winter days? The "CHINESE PRIMROSE" will do that. Sow the seed in the early months, — February, March, or April, — covering very lightly. Transplant the seedlings into small pots, shift two or three times during the summer, and keep in a moist, shady place. A cool place suits them best.

The foliage is very pretty, and the flowers are borne in clusters all through the winter and spring. 9 inches. G. P.

SINGLE FRINGED PRIMULAS.

Our strains of this most popular and beautiful winter bloomer are of superior quality and cannot be excelled. They are constantly praised whenever seen, and we strongly recommend them where quality is desired.

Any of following, Pkt., 25c.

- 3476. **Alba.** Pure white.
- 3473. **Alba Magnifica.** Very large flowers, white, with yellow eye.
- 3476a. **Chiswick Red.** Bright Crimson.
- 3477a. **Coccinea.** Scarlet, yellow eye.
- 3482a. **Corulea.** Blue; fine shade.
- 3475a. **Kermesina splendens.** Carmine, large, yellow eye.
- 3474a. **Peachblossom.** Fine.
- 3477. **Red.** 3482. **Rose.**
- 3483. **Mixed Single Fringed Primroses.** The seed is saved from the finest colors and largest flowers.

3474. FERN LEAVED. (*Fimbriata Filicifolia*.) These produce single flowers of red, white, crimson, and others. Their foliage alone makes them handsome plants, even when out of bloom. Mixed colors, only. Pkt., 25c.

DOUBLE FRINGED PRIMULAS.

The following are very choice, and are highly recommended. They will produce a large percentage of double flowers.

Any of following, Pkt., 25c.

- 3484. **Double White.** 3489a. **Double Rose.**
- 3489. **Double Red.** 3494. **Double Mixed.**

PRIMULA FORBESI.... The "BABY PRIMROSE."

Blooms when only a few weeks old,
and continues almost constantly.

3499. An excellent pot plant for the house, succeeding best in a cool room, and in sunshine or shade. The very tiny, rose-colored flowers are borne on stems 10 to 12 inches high, well above the foliage. The young plant will produce larger flowers if the early formed ones are picked off. Sow in July for winter and spring flowers. Novel and handsome plant. Pkt., 15c.



PRIMULA OBCONICA GRANDIFLORA.



SINGLE FRINGED PRIMROSE.



PRIMULA FORBESI.

PRIMULA OBCONICA.

Ever-Blooming Primrose.

- 3495. Entirely distinct from the Chinese Primrose, even more free blooming and fully as valuable as a house pot plant. The leaves are hairy, lighter green, and rounded in shape. Flowers fragrant, varying from white to lilac. Will bloom in June if sown in the early months, continuing to flower for months; indeed, may be called an Ever-blooming Primrose. Pkt., 10c.
- 3502. **Obconica Grandiflora.** Bears larger, and more flowers than the old type. Pkt., 10c.
- 3505. **Obconica Fimbriata.** Large flowers, as handsomely fringed as those of the Chinese Primrose. Pkt., 10c.

HARDY PRIMROSES.

These are perennials, flowering in early spring following sowing the seed. In our climate they require protection in winter — a cold frame placed over them being preferable. They like a cool place, alongside a north wall where there is moisture. H. H. P.

- 3471. **Auricula.** (*P. auricula*.) Richly colored, fragrant flowers. Pkt., 10c.
- 3475. **English Primrose.** (*P. Vulgaris*.) Yellow. Pkt., 10c.
- 3496. **English Cowslip.** (*P. Veris*.) Yellow. Pkt., 10c.
- 3497. **Japanese Primrose.** (*P. Japonica*.) Flowers 1 inch across, of shades of maroon, lilac, pink, white, etc., on long stems. Mixed colors. Pkt., 10c.

3498. **Polyanthus.** (*P. elatior*.) Velvety flowers, from white to maroon, borne in umbels, on stalks about 8 inches high. Pkt., 10c.

RICINUS.

(*Castor Oil Plant*.)

Rapid growing plants with palm-like foliage and showy fruits. Used with decorative effect planted singly on the lawn or in the center of a Canna or Caladium bed. 6 to 15 ft. H. H. A.

- 3504. **Borboniensis.** 15 ft. Pkt., 5c.
- 3506. **Sanguineus.** 10 ft. Dark leaves, and clusters of red fruit. Pkt., 5c.
- 3507. **Zanzibarensis.** 15 ft. Leaves vary in color from light green to purplish red. A new and distinct race. Pkt., 5c.
- 3508. **Gibsonii.** 6 ft. Dark leaved. 5c.
- 3509. **Ricinus, finest mixed.** Pkt., 5c.

RUDBECKIA.

- 3472. **Bicolor superba.** Golden yellow flowers with brown center. Largely grown now for cut flowers. H. A. 2 ft. Pkt., 10c.



AMERICA.



RAMONA



GORGEOUS.

How to Grow Sweet Peas.

SWEET PEAS succeed best in a deep, rich soil. The most approved method of cultivation is to sow in a trench 5 or 6 inches deep, covering them at first with *only one inch* of soil; then as the plants grow, fill in the earth about them *one inch at a time*. After the plants are well grown up, they should be watered copiously, and bone meal worked into the soil about the roots, is recommended. Proper trellis or other supports should be provided.

80 NAMED and ...SELECTED LARGE FLOWERED SWEET PEAS.

ASUPERB COLLECTION which embraces all the *BEST old and new varieties, including the novelties of 1901. It is now thoroughly up to date.*

ALL PACKETS are 3c each; 4 for 10c; 9 for 20c.

The prices given, whether by pkt., ounce, or one-fourth pound, are for the seeds POSTPAID, by mail.

All Packets 3c each; 4 for 10c.

oz. $\frac{1}{4}$ lb.

3678. America. White striped with scarlet.....	\$.05	\$.15
3679. Appleblossom. Bright rose and pink.....	.05	.15
3680. Aurora. Salmon on white.....	.05	.15
3683. Black Knight. Dark maroon.....	.10	.25
3684. Blanche Burpee. Pure white, very large..	.05	.15
3685. Blanche Ferry. Pink and white.....	.05	.15
3686. " " " Extra early, 10 days earlier.....	.05	.15
3687. Blushing Beauty. Delicate, soft pink.....	.05	.15
3689. Boreatton. Dark maroon.....	.05	.15
3693. Captain of the Blues. Purple and blue.....	.05	.15
3694. Captivation. Claret color.....	.05	.15
3695. Celestial. Lavender blue.....	.05	.15
3696. Chancellor. Rich rosy orange.....	.05	.15
3697. Colonist. Lilac overlaid with rose.....	.05	.15
3698. Columbia. Red, white, and blue.....	.10	.25
3702. Coquette. Primrose yellow.....	.05	.15
3703. Countess of Cadogan. Violet and blue.....	.05	.15
3704. Countess of Powis. Orange and purple.....	.05	.15
3695. Countess of Radnor. Pale mauve.....	.05	.15
3706. Crown Jewel. Yellow veined with rose.....	.05	.15
3708. Cupid. Dwarf, white.....	.10	.25
3709. Cupid. Dwarf, pink.....	.10	.30
3710. Cupid. Mixed.....	.10	.25
3711. Daybreak. Scarlet on white ground.....	.05	.15
3712. Dorothy Tenant. Rosy mauve. Fine.....	.05	.15
3713. Duke of Clarence. Claret color.....	.05	.15
3718. Duke of Westminster. Violet Purple.....	.05	.15
3723. Earliest of All. Pink and white.....	.05	.15
3724. Emily Eckford. Light mauve.....	.05	.15
3729. Emily Henderson. Purest white. Early..	.05	.15
3730. Emily Lynch. Rose Pink.....	.05	.15
3740. Fairy Queen. White shaded rose.....	.05	.15
3741. Firefly. Deep fiery scarlet.....	.05	.15
3742. Gaiety. Striped crimson on white.....	.05	.15
3743. Golden Gate. Lavender and pink.....	.05	.15
3744. Golden Gleam. Primrose yellow.....	.05	.15
3745. Gorgeous. Orange scarlet.....	.05	.15
3750. Gray Friar. Purple on white ground.....	.05	.15
3752. Her Majesty. Clear deep rose.....	.05	.15
3753. Hon. F. Bouvierie. Fine coral pink.....	.10	.25

All Packets 3c each; 4 for 10c.

oz. $\frac{1}{4}$ lb.

3758. Juanita. White striped lavender.....	\$.05	\$.15
3767. Katherine Tracy. A lovely pink.....	.05	.15
3768. Lady Nina Balfour. Delicate mauve.....	.05	.15
3773. " Grisel Hamilton. Lavender. The best	.10	.25
3774. " Mary Currie. Bright orange pink...	.05	.15
3775. " Penzance. Orange rose. Fine.....	.05	.15
3780. Little Dorrit. Pink, wings white.....	.05	.15
3785. Lottie Eckford. White, edged with blue..	.05	.15
3790. Lottie Hutchins. Pink on cream.....	.05	.15
3795. Lovely. A splendid pink.....	.05	.15
3800. Maid of Honor. Blue on white.....	.05	.15
3801. Mars. Fiery crimson.....	.05	.15
3802. Meteor. Orange pink.....	.05	.15
3807. Modesty. Delicate pink.....	.05	.15
3819. Monarch. Crimson and blue.....	.05	.15
3824. Mrs. Jos. Chamberlain. Striped, bright		
rose on white.....	.05	.15
3829. Mrs. Dugdale. Crimson and rose.....	.05	.15
3830. Mrs. Eckford. Primrose yellow.....	.05	.15
3831. Mrs. Gladstone. Soft, rosy pink.....	.03	.15
3832. Mrs. Sankey. A good white.....	.05	.15
3837. Navy Blue. Deep violet blue.....	.05	.15
3838. New Countess. Light lavender.....	.05	.15
3839. Orange Prince. Orange pink. Lovely...	.05	.15
3840. Othello. Chocolate red.....	.05	.15
3841. Ovid. Rose Pink.....	.05	.15
3842. Pink Friar. Carmine rose.....	.10	.25
3843. Prima Donna. Soft rose pink.....	.05	.15
3844. Princess of Wales. Stripe mauve on white	.05	.15
3845. Ramona. White splashed with pink.....	.05	.15
3846. Red Riding Hood. An odd-shaped flower.	.10	.25
3846a. Royal Rose. Deep rosy pink.....	.05	.10
3847. Sadie Burpee. The new large white....	.10	.25
3848. Salopian. Fine scarlet.....	.05	.15
3849. Sensation. White, with faint blush.....	.05	.15
3850. Shahzada. Dark Maroon.....	.05	.15
3860. Stanley. Rich purple.....	.05	.15
3861. Stella Morse. Primrose, flushed with pink	.05	.15
3862. Triumph. Orange pink.....	.05	.15
3863. Venus. Salmon Buff. Shaded pink.....	.05	.15
3864. Vesuvius. Violet and rose.....	.05	.15

...BRIEFS...

DON'T expect Sweet Peas to thrive in a sunless location, nor in poor soil.

DON'T sow too shallow. Plant the seeds not less than two inches deep. Get in early.

DON'T use the same plot of ground for Sweet Peas two years in succession.

DON'T overfeed. Bone meal in some form is the best fertilizer. Don't use fresh manure in the trenches.

DON'T gather the flowers grudgingly. The more flowers you cut the longer the vines will bloom.



"EMILY HENDERSON" is the most popular SWEET PEA grown.

Sweet Peas in Mixture.

These mixtures are made up by ourselves, therefore we have confidence that they will produce fine flowers. In their preparation it is our purpose to give as large a variety of colors as possible.

3829. **Fine Mixed.** Twenty or more named varieties of separate shades and colors are used in this. We think it a very good mixture for the price. *Pkt., 3c; oz., 5c; 1-4 lb., 10c; lb., 35c, postpaid.*

3830. **Barnard's**

"Royal Mixture"

SEVEN YEARS ago we sent out our first "Royal Mixture." At that time less than twenty varieties were included in its make-up. For 1902 we are certain our **Royal Mixture** is the **BEST** combination of named Sweet Peas ever sold. Not a color nor a shade in Sweet Peas but has its representative, and it also includes all the novelties of 1901. Our **Royal Mixture** is thoroughly modern.

Pkt., 3c; oz., 7c; 1-4 lb., 25c; lb., 60c.

Here are Sweet Peas on tip-toe for a flight,
With wings of gentle flush, o'er delicate white,
And taper fingers catching at all things,
To bind them all about with tiny rings.

—Keats.

Early Flowering

Sweet Peas

THE LIST of named varieties on the opposite page embraces every color and shade that is known in Sweet Peas. It contains all the varieties we carry, including the novelties of 1901.

While much has been accomplished in improving the flowers of Sweet Peas in size, form, and color, but little development of an **early flowering** strain has taken place. For many years the only early flowering sorts were **Blanche Ferry**, pink and white, and **Emily Henderson**, pure white. Both of these are excellent varieties.

"Earliest of All" Sweet Pea.

This, the latest addition, is identical with "Extra Early Blanche Ferry," except that it is more dwarf, and comes into bloom **at least ten days earlier**.



Dwarf, or CUPID Sweet Peas.

Sown as a border they form a line of emerald-green foliage a little over a foot wide and from five to six inches high, and from June until late summer are literally a sheet of bloom, and from the fact that they cover the ground so closely they are not so apt to suffer from drouth as the tall sorts. Excellent also for pot culture. We now offer Cupids in white, pink, and mixed colors.

Double Sweet Peas.

Unfortunately, thus far, Double Sweet Peas have not yet become so "fixed" that they will all come true from seed. At the best a number of the seedlings show the single form of flower. We offer a number of Double-Flowered Sweet Peas in mixture. *Pkt., 5c; oz., 10c; 1/4 lb., 25c.*

AND OUNCE of Sweet Peas contains from 300 to 400 seeds, enough to sow a single row 25 feet long. Our packets of all are liberal, enough to sow a row 6 feet in length.



SALVIA, CLARA BEDMAN.

SCABIOSA. Mourning Bride.

Summer-blooming border plant, producing very double flowers of various colors. A splendid flower for bouquets.

- 3520. Tall Double Mixed. A. Pkt., 3c.
- 3521. Dwarf Double Mixed. A. Pkt., 3c.
- 3522. Golden Yellow. Dwarf plants. Double yellow flowers. A. Pkt., 5c.
- 3523. Snowball. White. 1½ ft. A. Pkt., 3c.
- 3524. Caucasica. (Hardy Scabiosa.) Pale blue, 2 to 3 ft. Pkt., 5c.

STOCK, TEN WEEKS.

(Gillyflower.)

Seeds of the Stock may be sown in the open ground or in the hot-bed, but if to be transplanted, let it be done when the plants are quite small. A little shade from the hottest sun, and water in the evening, will add much to the size, beauty and durability of the flowers.

All varieties are desirable as pot plants as well as in the open garden. A bed of Dwarf German Ten Week Stock when in bloom is a blaze of showy, most fragrant flowers. 9 to 18 inches.

LARGEST FLOWERING DWARF GERMAN.

Pkt.	Pkt.
3558. Light Blue	3554. Purple
3559. Crimson	3555. Blood Red
3560. Canary	3556. Pure White
3562. Mixed	3557. Rose

3561. Wallflower-Leaved. Glossy foliage. Mixed. Pkt., 5c.

3563. Imported collection of 6 distinct colors, 30c.

3572. PARISIAN, of dwarf habit, splendid for pots. Much larger flowers than the German.

Mixed. Pkt., 10c.

3565. Snowflake. Pure white flowers, almost like wax. Good for forcing. 9 in. Pkt., 10c.

3566. Princess Alice. (Cut and Come Again.) A perpetual bloomer, of tall branching, habit loaded with white flowers. They seem to like to be cut. Pkt., 10c.

3571. Intermediate. Sow in July. Bloom in fall or early spring. Double mixed. Pkt., 10c.

3570. Brompton. Bushy plants that bloom in winter or early spring. H. H. B. 2 ft. Double mixed. Pkt., 10c.

SALVIA. (Flowering Sage.)

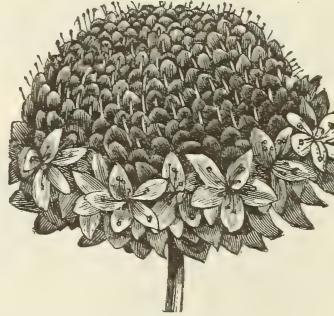
Salvias make grand beds of long spikes of brilliant color. Stand heat and drought remarkably well. They are splendid winter blooming plants in sunny windows. Bloom first year from seed. 1½ to 2 ft. H. H. P.

- 3510. Argentea. Silvery foliage; white flowers. Pkt., 5c.
- 3511. Coccinea Hybrida. Dark crimson, dwarf. Pkt., 5c.
- 3512. Patens. Deep, rich blue. A lovely shade. Pkt., 10c.
- 3513. Splendens. (Scarlet Sage). Bright scarlet. Pkt. 10c.
- 3518. Clara Bedman. Grows erect. Scarlet. Pkt. 10c.
- 3519. Drooping Spikes. Has heavily laden spikes of large scarlet flowers. Pkt. 10c.

3538. "Silverspot." Rich green foliage dotted with yellow; flowers scarlet. Pkt. 10c.

SALPIGLOSSIS.

3537. Strong bushy plants with curiously and beautifully pencilled and marbled funnel-shaped flowers of richest colors. They are among the best fall flowers. 1½ ft. H. A. Pkt., 5c.



SCABIOSA.

SMILAX.

3532. Most graceful greenhouse climber. For bouquets and decorative work indispensable. Leaves small, glossy green. Flowers white, fragrant. T. P. Oz., 75c. Pkt. 5c.

SCARLET**RUNNER****BEAN.**

3526. A well-known climber with fragrant, scarlet flowers. 12 ft. Pkt., 5c.

SNAP-DRAGONSee *Antirrhinum*.**SOLANUM.**

See *Jerusalem Cherry*.
Scarlet, pepper-shaped fruit.



GIANT FLOWERED SWEET WILLIAMS.

SWEET WILLIAM.*Dianthus Barbatus*.

3541. Matchless border plants with sweet scented, large bright heads of flowers of great beauty. Very easily grown. One of grandmother's favorites. H. P.

Mixed. Colors vivid and varied. Pkt., 3c.

Giant Flowered Sweet William.

3540. Enormous in size, often as large as a 25 cent piece. Colors, dark crimson, white, pink, striped and others making fine contrasts. Pkt., 10c., 3 for 20c.

THUNBERGIA.

3581. Rapid growing annual climber, 4 to 6 ft. high, bearing trumpet-shaped flowers in buff, white, orange, etc., with dark eyes. H. H. A. mixed. Pkt. 5c.

TORENIA.

Torenias are beautiful plants for vases, baskets, and pots. They bloom continuously during summer in the open ground and in winter in greenhouses.

3583. *Fournieri*. Porcelain blue. Pkt. 10c.

3582. *Fournieri compacta*. This has the same lovely blue flowers but the plant is of better habit and covered with flowers all summer long. Pkt. 10c.

3584. *White Wings*. White with flush of rose in the throat. Attractive. Pkt. 10c.

TROPAEOLUM. See *Lobb's Nasturtiums*, page 73.

VINCA OR PERIWINKLE.

Handsome bushy plants. Sown in March, transplanted in May, will bloom first summer in garden. Taken up in fall and potted will flower during winter, 1½ ft. T. P.

3645. *Rosea*. Fine shade of rose. Pkt. 5c.

3646. *Rosea Alba*. White with rose eye. Pkt. 5c.

3647. *Rosea Alba Pura*. Pure White. Pkt. 5c.

3648. *Mixed*. The above varieties. Pkt. 5c.

VIOLET.—(*Viola Odorata*.)

The hardy Sweet Violet that blooms in the spring. They thrive best in a shady place, in moist, rich soil. (Double Violets do not seed.) H. H. P.

3614. *Single Blue*. Pkt. 5c. 3625. *Single White*. Pkt. 10c.

WALLFLOWER.

A deliciously fragrant perennial which is by no means as well known as it should be. The old-time gardens were certain to contain many plants, so highly prized were their handsome flowers, some yellow, and others the richest, deepest brown. Invaluable for bouquets. H. H. P.

3626. *Double Mixed*. Pkt. 5c. 3627. *Single Mixed*. Pkt. 5c.

MAMMOTH
VERBENA.



VERBENA.

Few of the plants which go to fill up our garden beds in summer make such a grand display or furnish more flowers for cutting than the Verbena. Start seed in the early spring, in the house or under glass, and transplant where they are to bloom, after three or four inches of growth have been made. 1 foot, H. H. P.

Any of the following. Pkt. 5c; 5 pkts. for 20c.

3589. *Pure White*. 3592. *Purple*.

3590. *Vivid Scarlet*. 3593. *Blue Shades*.

3591. *Striped*. 3594. *Choice Mixed*.

3586. **MAMMOTH VERBENA.** The individual flowers in this class are of much more than ordinary size, and their colors are varied. Added to this the shadings and markings are varied and distinct. In mixed colors only. Pkt. 10c.

3587. **NEW DWARF VERBENA.** The best for bedding. The very dwarf plants, 6 inches high, surrounded with well-trimmed grass make a handsome bed. Mixed colors. Pkt. 10c.

3585. **LEMON VERBENA.** Different from all other Verbenas. Its flowers are white and it is prized for its sweet scented foliage. Comes easily and very true from seed. Pkt. 7c.

ZINNIA.

General favorites. Thrive in any soil. Plants form bushes two to three feet in height, and the very double flowers of various colors form solid heads like Dahlias. H. H. A.

3653. **Giant Flowered.** The best of all Zinnias. Flowers brilliant, very double, five to six inches across. Mixed. Pkt. 5c.

LARGE FLOWERING DWARF DOUBLE ZINNIAS.

3654. *White*. Pkt. 5c. 3665. *Canary*. Pkt. 5c.

3655. *Scarlet*. Pkt. 5c. 3666. *Crimson*. Pkt. 5c.

3660. *Orange*. Pkt. 5c. 3667. *Mixed*. Pkt. 5c.

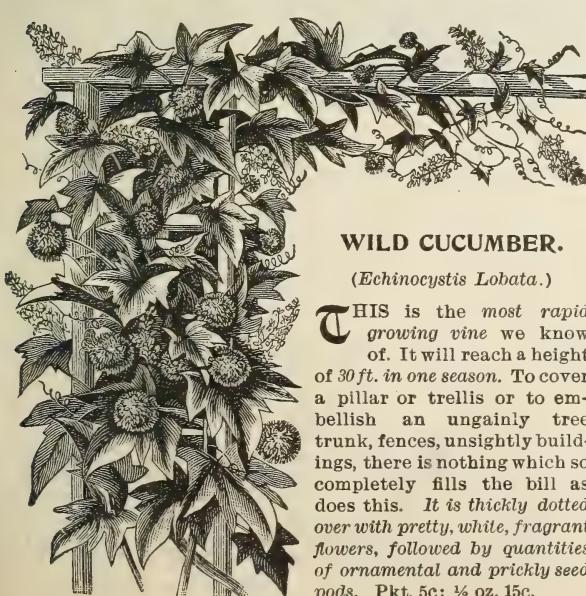
3670. **Crested and Curled.** Colors orange, purple, pink, rose, etc. Large flowers with twisted and curled petals. Pkt. 10c.

3669. **Zebra**. Flowers striped, spotted, and blotched. Nearly every flower is different in markings. Pkt. 5c.

3672. **Double Mexican**. A dwarf-growing class much admired for its extra fine flowers. Mixed. Pkt. 5c.

3673. **Tall Double**, mixed. Many colors. Pkt. 5c.

3674. **Dwarf Double**, mixed. Splendid variety. Pkt. 5c.



WILD CUCUMBER.

(*Echinocystis Lobata*.)

THIS is the most rapid growing vine we know of. It will reach a height of 30 ft. in one season. To cover a pillar or trellis or to embellish an ungainly tree trunk, fences, unsightly buildings, there is nothing which so completely fills the bill as does this. It is thickly dotted over with pretty, white, fragrant flowers, followed by quantities of ornamental and prickly seed pods. Pkt. 5c; ½ oz. 15c.

SUMMER FLOWERING BULBS.



CINNAMON VINE.

BULBS are of easiest culture, inexpensive, and require little care. They are almost certain to grow. Put them in the ground out of doors in April and May. Some will bloom in June, and all during the same year as planted. Most of these bulbs (Lilies are an exception) must be taken up before severe frost and stored away in a frost-proof cellar, to be replanted the following spring.

PRICES GIVEN BELOW INCLUDE PREPAYMENT BY MAIL
or EXPRESS, except otherwise noted.

AMARYLLIS.

SUITABLE for greenhouse, room, or outdoor culture. After flowering, let the bulbs rest in their pots for several weeks, meanwhile giving no water.

Formosissima. Can be grown in water same as Chinese Narcissus. Blooms early. Deep crimson. Each, 10c; 3 for 25c.

Johnsonii. Large trumpet-shaped scarlet flower with broad, white stripe. Each, 35c; 3 for \$1.00.



CALADIUM ESCULENTUM.

CALADIUM.

STATELY plants of easy growth for planting on lawns singly or in beds with Cannas or Ricinus. The enormous leaves, three feet long, make a splendid tropical effect. Lift bulbs in the fall, and store over winter in dry sand in a warm cellar.

C. ESCULENTUM. (Elephant's Ear.)

Will grow 4 to 5 ft. high in good soil kept well supplied with water.

First size bulbs, 15c; not prepaid, 10c.

Larger bulbs, 30c; not prepaid, 15c.

Mammoth bulbs, 50c; not prepaid, 30c.



TUBEROUS BEGONIAS.

BEGONIAS, Tuberous - Rooted.

OF LATE years these Begonias have been brought to great perfection. They make splendid beds on the lawn when given protection from the hot sun by a muslin or other shade erected about three ft. above them, and as pot plants they are unexcelled. From the time the first flowers expand until frost puts a stop to further blooming, these plants are literally covered with flowers of the richest colors, embracing every shade of pure white, rose, pink, scarlet, yellow, and orange. The flowers often measure six inches across and are much more brilliant than the most dazzling Geraniums, and the cost is materially less.

SINGLE, colors separate. White, scarlet, yellow, pink, crimson. Each, 8c; 4 for 25c.

Single, all colors mixed. Each, 6c; doz., 70c.

DOUBLE, colors separate. White, yellow, scarlet, pink. Each, 15c; 3 for 40c.

Double, all colors mixed. Each, 12c.; 3 for 30c.



WHITE CALLA.

THE foliage and flower resemble the well-known White Calla. The deep green leaves, however, are dotted with many white spots; the flower is white with a dark throat. An excellent pot plant and looks well bedded out in summer. Each, 10c; 3 for 25c.

WHITE CALLA. Well known. This plant can be made to bloom at almost any season. Requires abundance of water. Dry roots, each, 10c.

BLACK CALLA. Very large, dark purple, almost black flowers. Each, 20c.

SPOTTED LEAF CALLA.

CHEY do best in partial shade. Plant in good soil, giving little water until leaves appear. Gloxinias will bloom in five weeks from planting and be in flower from midsummer until early fall. Beautiful foliage and handsome flowers. Each, 15c; 3 for 40c.

GLOXINIA.

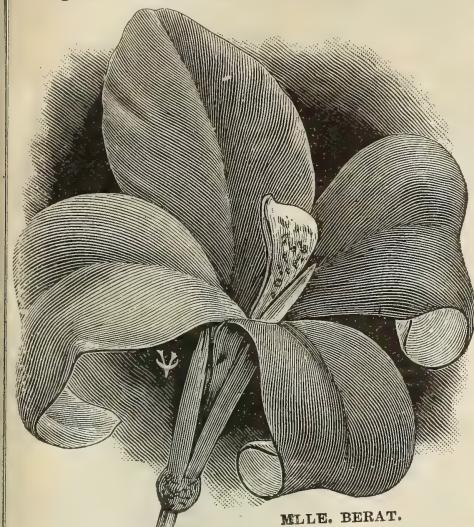
Luxuriant, free-growing, summer-flowering plant, with flower stems 3 to 4 ft. high, bearing from 20 to 30 pure white bell-shaped flowers. Can be used with good effect planted among Gladiolus. Each, 6c; 3 for 15c; doz., 55c.

GLOXINIA.

Luxuriant, free-growing, summer-flowering plant, with flower stems 3 to 4 ft. high, bearing from 20 to 30 pure white bell-shaped flowers. Can be used with good effect planted among Gladiolus. Each, 6c; 3 for 15c; doz., 55c.

The Best CANNAS in Cultivation.

IMPROVEMENTS made in the Canna during the past few years in form of flower and diversity of coloring, place this plant decidedly at the head of all others used for bedding purposes. Those who admire something choice on the lawn and to vary the monotony of beds of Geraniums, Verbenas, Pansies, etc., as well as for pot plants in the house in winter, will find their tastes gratified by cultivating Cannas. Do not set them out until ground is quite warm. Orders will be filled with dormant roots until April 20th. After that date with started plants. All should bloom the coming summer, and in winter also if lifted and potted before frost has touched the plants in the autumn.



Mlle. BERAT.

WELL-KNOWN CANNAS.

Plant a bed of Cannas. The cost is slight and the pleasure great.

ALPHONSE BOUVIER. 6 feet. Large trusses of vivid crimson flowers. Usually there are two to three spikes on a stalk.

CHARLES HENDERSON. 4 feet. A splendid bedder. Flowers crimson; petals wide and well rounded.

EGANDALE. 4 feet. Bronze leaves. Flowers currant red. The finest bedding Canna of its color. Very distinct.

EXPLORATEUR CRAMPBEL. 5 feet. Flowers vermillion scarlet with crimson spots.

FLORENCE VAUGHAN. 4 feet. Broad green leaves. Flowers yellow, dotted with bright red. A famous well tried and hard to beat sort. Constant bloomer.

MADAM CROZY. 4 feet. Scarlet flowers bordered with gold. It is valuable for pot culture and for bedding too.

PAUL MARQUANDT. 4 feet. Extra large flowers of a deep salmon color. Splendid well formed truss. Highly prized and admired by all.

QUEEN CHARLOTTE. 3½ feet. Broad, green leaves. Large, rich scarlet flowers with a wide golden band around each petal.

PRICE: Any of the above, each, 10c; 6 for 50c; dozen, 90c.

SPECIAL OFFER: The 17 varieties on this page, 1 good tuber of each by mail, postpaid, for \$1.25.

MIXED BEDDING CANNAS.

These consist of roots grown from tubers the names of which were lost in handling. While they were in bloom the colors were noted and we offer them in mixed colors. They will make a beautiful show planted at the edges of shrubbery or among other plants. State color desired and whether tall or dwarf growing sorts are preferred. We will endeavor to comply with your wishes.

Each, 8c; 3 for 20c; 6 for 35c, postpaid.

6 SELECTED NEW CANNAS.....

DEFENDER. 3 to 3½ feet. An early and profuse bloomer. Among the best of the splashed and striped varieties. Color clear yellow splashed with bright scarlet.

DUKE OF MARLBOROUGH. 4 feet. Deep green foliage. Flowers dark crimson, rich and velvety. Makes a close head and very large buds.

GOLDEN MOON. 2½ feet. Light green foliage. Rich, golden-yellow; large truss and flower; profuse bloomer.

MILLE. BERAT. 4 feet. Green foliage. Flowers soft, rosy carmine, closely approaching to pink. Plant it with bright reds and yellows for contrast.

PRESIDENT MCKINLEY. 2 to 2½ feet. Deep green foliage. Flowers crimson with scarlet shading. One of the best.

SAM TRELEASE. 3 feet. Green foliage. Flower almost pure scarlet. Its large petals open out flat, forming a large, nearly perfect circular flower.

PRICE: Each, 15c; 3 for 40c; 1 each of the 6 for 75c, postpaid.

GIANT ORCHID-FLOWERED CANNAS

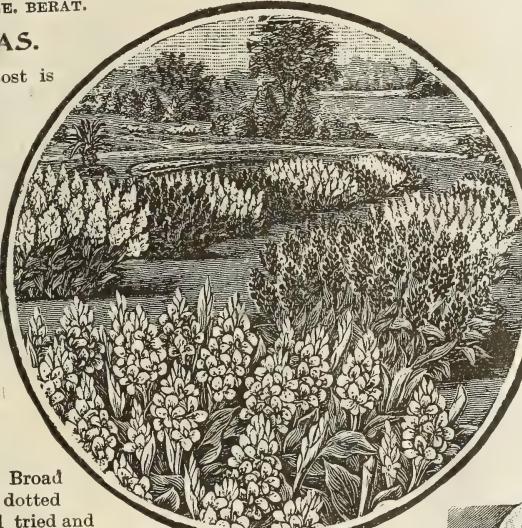
The sensation in floral novelties. In size and brilliancy of flowers and majestic Musa-like foliage, they are entirely distinct and far in advance of any of the large flowering Cannas to date; of remarkable strong growth they soon make fine specimen plants

AUSTRIA. 6 feet high; very large flowers and foliage. Flowers canary yellow, spotted with brownish red.

BURBANK. 5 feet. Individual flowers 7 inches across. Canary yellow with small crimson spots.

ITALIA. 5 feet. Flowers red bordered with golden yellow.

Each 15c, 3 for 40c.



CANNA BEDS.



THE
"WHITE"
CANNA

New and Improved Dahlias.

FASHIONS in flowers, as in other things, change. The Dahlia, for a long time neglected, is at present one of the most valued of the Autumn flowers. Commencing to bloom in August, Dahlias are a mass of bloom until cut off by frost. Especially fine for cut flowers. We know of nothing more showy for table decoration than a loosely arranged bouquet of long-stemmed Cactus and other Dahlias.

Culture.

Our collection of Dahlias is grown upon our own grounds. The tubers are planted in long rows, wide enough apart to admit of cultivation by horse-power. Set them out the latter part of May, in deep, rich earth. Cover with about three inches of soil. If many shoots start, thin out after flowering, and before hard frosts, take up the plants, dry the tubers a little, then put into the cellar, where they will not be too moist nor too warm, to remain until spring.

DAHLIAS are divided into five general classes, and the following rules only apply in general. **Cactus**—The long, narrow-petaled varieties, the petals generally pointed or twisted. **Decorative**—Broad, flat petals, formerly classed with Cactus. **Fancy**—Variegated. **Pompon**—The small, round Dahlias; plants generally dwarf and bushy. **Show**—Large, well-formed flowers, showing solid colors, but may have shaded tips.

We do not send tubers by mail until all danger from frost is passed, about April 15.

Cactus Dahlias.

Constancy. Very large. Yellow, edged and tipped bright red. A grand exhibition variety.

Crimson Giant. Rich in color, constant in bloom.

Miss Barry. Deep lake. Petals twisted; large and full.

Mrs. Peart. The most distinct Cactus Dahlia yet introduced. Creamy white.

Picta Formosissima. Orange, striped with scarlet bands.

Professor Baldwin. Bright orange. **St. Catherine.** Bronzy yellow.

Show Dahlias.

A. D. Livoni. Quilled petals; beautiful clear pink in color; perfect in form.

Black Knight. Purple maroon; large flower.

Blumenfalter. Rosy lavender, densely quilled.

Claude Perfection. Maroon. An excellent variety.

Columbia. Velvety crimson. Fine cut-flower.

James Huntly. Fine purple, early bloomer.

John Forbes. Fawn color, striped with maroon.

Kate Haslam. Lovely soft pink: petals beautifully quilled.

Lucy Fawcett. Beautiful, large, regularly formed flower; color pale yellow, striped rosy magenta; very fine indeed.

Kaiser Wilhelm. Deep yellow-tipped, and shaded with cherry red, each 30c.

Miss Thatcher. Good yellow.

Mrs. Langtry. This is one of the best in our collection. Color, canary yellow, edged with scarlet.

White Dove. Pure white.

White Swan. Snow white.

Decorative Dahlias.

C.W. BRUTON. The finest yellow decorative Cactus Dahlia yet produced. Flowers very large, perfectly full; in color a solid pure yellow, very clear and rich, with no green center, borne on very long, graceful stems, and hence of great value for cutting. Robust grower and exceedingly profuse bloomer.

Nymphaea. By far the most delicately beautiful Dahlia ever introduced; more extensively grown for cut flowers than all others combined. The flowers are of medium to large size, always full to the center; resemble the ideal pink water-lily. The color is a clear, distinct, light shrimp-pink, tinted lighter toward the center.

Pompon Dahlias.

Exquisite. Orange-scarlet.

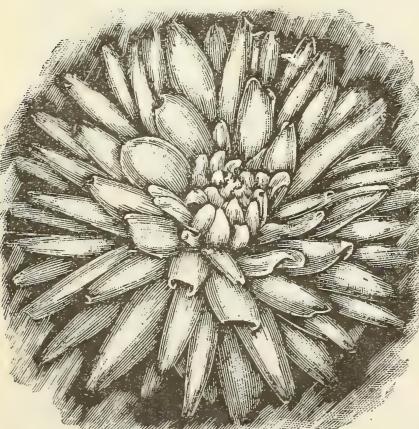
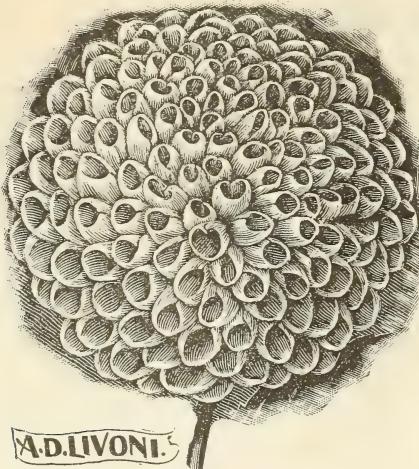
Mary Kirk. Yellow.

Winifred. A gem from England. Pure white flowers, occasionally tipped with lavender.

DRY ROOTS, except where noted, each, 15c; 3 for 40c, post-paid. Larger roots at same price by express.

MIXED DAHLIAS.

BESIDE those named above we have many others in smaller quantities. Also hundreds without names, but of which the colors are known. These mixed Dahlias we offer at 10c each, or 6 for 50c, post-paid.



We call special attention to **Sheep Manure**, (page 104) as a special fertilizer for Dahlias. It produces vigorous growth and greatly increases size of flower.

GLADIOLI.

The most
stately and
effective Plants
produced
by Summer
Flowering
Bulbs.



SPECIAL BULB OFFERS.

Two valuable collections at greatly reduced prices.

50 CENT BULB COLLECTION.

Contains 13 Summer-Flowering Bulbs which we will send free by Mail or Express for 50c.

1 Apios Tuberosa.	1 Hyacinthus Candi-
1 Begonia, Tuberous.	cans.
1 Tigridia.	3 Cinnamon Vines.
2 Cannas.	2 Dwarf Pearl Tube-
2 Gladiolus, mixed.	roses.

\$1.00 BULB COLLECTION.

Contains 28 Summer-Flowering Bulbs which we will send free by Mail or Express for \$1.

2 Apios Tuberosa.	1 Dahlia, Double.
2 Begonia, Tuberous.	3 Gladiolus, mixed.
1 Caladium Esculentum.	2 Hyacinthus, Candi-
3 Cinnamon Vines.	cans.
1 Selected Hardy Lily.	1 Tiger Lily.
2 Cannas, New French.	3 Maderia Vine.
2 Pearl Tuberous.	2 Milla Biflora.
	3 Amaryllis Atamasco.

All the above Bulbs are fully described and some of them illustrated in the Bulb Department of this Catalogue. Compare this very low offer with regular rates.

To the culture of Gladioli we devote a large acreage, and each season our fields when in bloom are a great attraction. They are sure to flower in any soil; have no insect enemies nor diseases; flowers of almost every color. By cutting the spikes when two or three of the lower flowers are open, and placing them in water, the entire spike will open up even to the tip end. They are very effective grown among shrubbery. Set the bulbs six inches apart, three inches deep. Plant from middle of April to first of June.

At single and dozen rate we send postage or express paid. 100 rate not prepaid; 25 bulbs sold at 100 rate.

SELECT GLADIOLI, Under Colors.

Young, vigorous bulbs, sure to produce fine flowers.

Each. Doz. 100

Red and Scarlet	\$0 03	\$0 25	\$1 50
Pink and Salmon	5	40	3 00
Yellow Shades	5	45	3 50
Light and White	5	40	3 00
Striped and Variegated	5	45	3 50
All Colors Mixed	3	25	1 50

LEMOINE'S BUTTERFLY GLADIOLI.

Flowers of richest texture and most vivid coloring, with peculiar blotches on the lower petals. 3 for 15c.; doz., 50c. Prepaid.

GLADIOLUS CHILDSII.

A distinct mammoth race of Gladioli, stronger and more vigorous than ordinary varieties. They have stiff stems four to five feet high, with spikes of bloom two feet in length. Every flower is a perfect beauty and of every color known among Gladioli in this race. Each, 15c.; 2 for 25c.; \$1.25 per doz.

SELECT NAMED GLADIOLI.

1. Africain. Slaty-brown on scarlet ground, streaked with scarlet and pure white. 10c.	7. Isaac Buchanan. Very fine yellow. Each, 6c.
2. Angele. White. Snowy and effective. Each, 8c.	8. Lamark. Cherry, white throat. Doz., 40c.; each, 5c.
3. Brenchleyensis. Bright scarlet. Doz., 40c.; each, 5c.	9. Lord Byron. Brilliant scarlet, blotched white. 8c.
4. Ceres. White, spotted rose. Each, 5c.	10. Napoleon III. Scarlet striped white. Each, 5c.
5. Eugene Scribe. Tender rose, variegated. Each, 6c.	11. Octoroon. Very fine salmon pink. Each, 10c.
6. Gen. Phil. Sheridan. Fire-red, white line running through each petal. Each, 15c.	12. Shakespeare. Early; grand flower, white with carmine rose. Large bulbs, each, 12c.; 6 for 60c., postpaid.
13. Martha Washington. Unexcelled for cut flower purposes. Color light yellow, lower petals tinged with rose. Spike erect, neatly arranged with well-formed flowers. Each, 10c.	

COLLECTIONS

NAMED GLADIOLI.	A. Nos. 2, 3, 4, 5, 7 for 25c.
	B. Nos. 1, 2, 4, 5, 6, 10, 11 for 50c.
	C. The complete set, 1 to 13, all labelled, \$1.00.

THE QUEEN. Undoubtedly the largest and most beautiful Gladiolus in cultivation. The flowers are rich and velvety, the ground colors of the petals a pearly white, which is striped with a rich carmine, shaded and blotched with a rosy carmine. The plant is a strong grower with a stout flower stock, about three inches high, and remarkably filled out with blossoms on all sides. Each, 20c.; 3 for 50c.

Hardy Lilies.

Lilies thrive best in a dry, rich soil. They should be planted deep, as they form two sets of roots, one below, the other above the bulb. All Lilies offered on this page are hardy enough to stand the winter out doors. It is well, however, to protect them with a covering of litter or straw.

Prices include postage unless otherwise stated.

AURATUM. (*Gold Banded.*) Extremely fragrant and very beautiful. Flowers white, dotted with crimson, with a golden band running through center of each petal. *First size*, each, 15c.; 3 for 40c.; doz., 10c. *Not prepaid*, Large bulbs, each, 10c.; doz., \$1.00.

LONGIFLORUM. (*Easter Lily.*) Pure white, trumpet-shaped flowers 6 to 8 inches long. A favorite sort for the garden. *First size*, each, 15c.; 3 for 40c.; doz., \$1.50. *Not prepaid*, Large size, each, 10c.; doz., \$1.50.

Tigrinum. (*Single Tiger Lily.*) Flowers, orange red, spotted black. Each, 10c.; 3 for 25c.; doz., \$1.00. *Not prepaid*, each 5c.; doz., 50c.

Tigrinum fl. pl. (*Double Tiger Lily.*) Very large, double flowers. Each, 10c.; 3 for 25c.; doz., \$1.00. *Not prepaid* each, 8c.; doz., 80c.

Tenuifolium. (*Siberian Coral Lily.*) Of dwarf habit. Flowers, bright red, drooping. Each, 15c.; 3 for 40c.; doz., \$1.00. *Not prepaid*, each, 10c.; doz., \$1.00.

SPECIOSUM.—(*Hardy Garden Lilies.*)

Of easiest culture. Once planted, there to stay.

ALBUM. Pure white. *First size*, each, 20c.; 3 for 55c.; doz., \$2.00. *Not prepaid*, Large bulbs, each, 15c.; doz., \$1.50.

RUBRUM. White ground dotted and shaded with red. *First size*, each, 15c.; doz., \$1.50. *Not prepaid*, Large bulbs, each, 10c.; doz., \$1.00.

MELPOMENE. Rich blood-crimson, heavily spotted. Each, 20c.; 3 for 55c.; doz., \$2.00. *Not prepaid*, each, 15c.; doz., \$1.50.

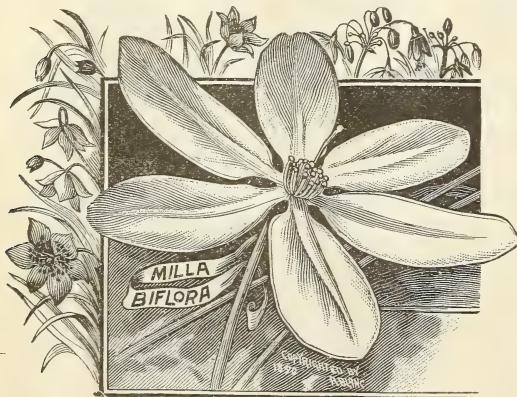
One nice bulb of each of 8 above Lilies for \$1.00 postpaid.

LILY OF THE VALLEY.

Clumps. For outdoor planting. Extra strong. Each, 35c. *Not prepaid*, each, 25c.; doz., \$2.50.

MADEIRA VINE.

The old favorite "Climbing Mignonette." Thick glossy leaves and long, feathery, very fragrant, white flowers. Each, 5c.; doz., 50c. *Not prepaid*, doz., 30c.



MILLA BIFLORA Lovely pure white flowers, usually in pairs. Will keep for days when cut and placed in water. Each, 10c.; 3 for 20c.; doz., 60c.

PAEONIES. See Hardy Plants, Page 95.

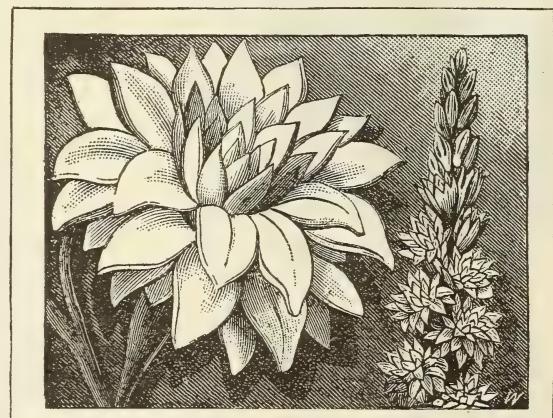


AURATUM.

SUMMER FLOWERING OXALIS.

Splendid for edging flower beds, walks, etc. The little bulbs planted 3 inches apart will, during the summer, form rounded rows a foot high, constantly loaded with pink and white flowers. Doz., 10c.; 100, 50c.

TIGRIDIA. Large, exquisitely spotted flowers, which make a beautiful display planted in masses in borders. **Alba**, white, spotted crimson. Each, 8c.; 3 for 20c. **Conchiflora**, yellow. Each, 5c.; doz., 30c. **Pavonia**, crimson, variegated yellow. Each, 5c.; doz., 30c.



TUBEROSES.

No better Tuberose bulbs than we supply are to be had anywhere. They are sure to produce flowers true to name, of fine form and delightful fragrance.

Dwarf Pearl. Stem about 2½ feet. Selected large bulbs. Each, 5c.; doz., 50c.; 100, *not prepaid*, \$2.00.

Tall Italian. Grows 4 feet high. Large bulbs, each, 5c.; doz., 50c.; *not prepaid*, 100, \$2.00.

Bulbs for Fall Planting.

In September of each year we receive our importations of Hyacinths, Tulips, and other bulbs, which require to be put into the ground in fall. We send catalogue without request or to all applicants.

Roses and Flowering Plants

MAILED, POSTPAID, DIRECT FROM GREENHOUSES.

IN CONNECTION with our mail trade in SEEDS and BULBS, we have made arrangements whereby we can also mail a very choice selection of ROSES AND FLOWERING PLANTS. It is our desire to make our service to customers as complete and convenient as possible. When the seed order is made up, we would like you to include some bulbs and plants also.

All plants sent out are as large as can be safely packed and sent by mail. Notwithstanding the large number of plants which we have forwarded in mail bags, no complaint has ever reached us with regard to the size of the plants. The instances have been rare when packages went astray or arrived other than in good order.

Postage Paid. At prices given we mail all plants (except such as from their size or otherwise are unmailable, and so stated) and prepay the postage, thus making delivery to your post office—often to your door.

How to Order. We will consider it a favor to have orders for plants written either on the back of our order sheet or on a separate slip. When mixed up among seeds a delay is caused in the execution of your order.

Plants Mailed at any Time. Many customers order both seeds and plants at the same time, early in the winter. Seeds are sent immediately, but, if requested, we will book the order for plants to be sent later in the season, at any time up to June. Please be careful to state on the order just what date you want us to mail the plants,—as otherwise we will consider you are ready for them immediately, and will forward soon after seeds, in separate pkgs. Should the weather be unfavorable for mailing we reserve the right to hold the order until plants can be expected to travel in safety from danger of freezing.

3 GRAND "Soupert" ROSES

Pink., White, Yellow,
by mail for 30 cts.

(Described on next page.)



FOR BEDDING in the open ground Soupert Roses are perfect. The dwarf, bushy plants bear large quantities of medium sized double flowers in clusters, admirably adapted to pot culture, beginning to flower when not over four inches high, and continues without intermission the entire season if kept in a healthy growing condition.

5 NEW H. P. ROSES FOR 60c.

Roses of this class should invariably be planted in the open ground. They will stand considerable hardship. Some do not bloom until the second year, but once established they give large and beautiful flowers.

CLIO. The flowers are perfect in form, with fine, broad petals, and are beautiful at all stages of development; color delicate satin blush, with a shading of rosy pink at center. Free blooming and strong, healthy grower.

HELEN KELLER. The plant is a vigorous grower and produces brilliant rose colored flowers in great abundance from early spring until fall.

MRS. R. G. SHERMAN CRAWFORD. Color is a deep rich pink, outer petals tinted with pale flesh; flowers are large, full, very fragrant and unique.

MARCHIONESS OF LORNE. Large, full, cup shaped; buds long and handsome; rich shining rose color with vivid carmine; hardy, fragrant.

MARGARET DICKSON. The flower is of magnificent form, very double, and the color is a waxy white; petals are large, shell-shaped, and prettily curled back; very beautiful.

PRICE: Each, 15c; 3 for 40c; 6 or one each of THE 5 NEW H. P. ROSES, 60c, POSTPAID.

16 EVERBLOOMING All Colors ROSES.

By Mail for \$1.40, Postpaid.

THIS collection consists of the Soupert and La France Roses, described on this page, and the following Everblooming Roses: 4 each best red, white, and yellow, each correctly labeled. They may be grown either indoors or in the open air. Nearly all will stand the winter with slight protection.

4 LA FRANCE ...ROSES by mail for 35 cts.



LA FRANCE. The sweetest of all Roses perfect, full, globular flowers; silver rose passing to pink; hardy and a constant bloomer. 15c each.

DUCHESS OF ALBANY. Like its famous parent, except in color, which is three or four shades darker; a wonderful deep rose-pink. Superb, fragrant flowers. A great favorite. 15c each.

WHITE LA FRANCE. Large, pearly-white, fragrant flowers, described above. 15c each.

STRIPED LA FRANCE. This lovely caprice will please all with its odd and novel combination of pink and white stripes. Grows and flowers as freely as La France. 15c each.

FOR 35 CTS. we will send, postpaid, one good, strong plant each of the Red, White Pink and Striped La France Roses offered above.

Ever-Blooming Tea and Hybrid Roses

ALL AT TEN CENTS EACH, 6 for 50c.; dozen, \$1.00, Postpaid.

Varieties marked * are Hardy or nearly so, with protection of leaves or straw in winter.

***AGRIPPINA.** Rich crimson; good bedder.

***BON SILENE.** Noted for the great size and beauty of its buds. Carmine-rose, shaded with salmon.

THE BRIDE. Perfect globular, pointed buds of purest white.

CATHARINE MERMET. Of the very highest type; a grand parent variety; silvery pink, delicately shaded in center and at base amber and fawn.



We can supply selections from the list on this page by MAIL ONLY. For field grown, large plants for immediate effect, see page 92.

ALFRED COLOMB. Crimson, large fragrant flowers.

AMERICAN BEAUTY. Flowers very large and double; color, rich crimson; very fragrant.

ANNA DE DIESBACH. Bright carmine; sweet.

BARON DE BONSTETTIN. Blackish crimson with bright red shading.

CAPRICE. A striped red rose; ground color, soft pink marked with rose.

COQUETTE DES ALPS. White, tinged blush; fine.

FISHER HOLMES. Rich velvety crimson, large and fragrant.

GEN. JACQUEMINOT. Bright crimson. A universal favorite.

GEN. WASHINGTON. Red, shaded with crimson; flower flat.

JOHN HOPPER. Bright rose; fine form. A highly prized variety.

LA REINE. Clear light rose.

MADAM CHAS. WOOD. Bright crimson with deeper shading.

MAGNA CHARTA. Dark pink; double and full; easy to grow.

MADAM PLANTIER. Pure white; a profuse bloomer. This is a splendid cemetery rose; unlike the other varieties, it should never be pruned.

PAUL NEYRON. Deep rose color; largest of all, perfect in form.

PRINCE CAMILLE DE ROHAN. Velvety crimson, shading to dark maroon; very handsome.

ULRICH BRUNNER. Cherry red flowers, beautifully shaped buds.

VICTOR VERDIER. Rose color, crimson center; large and full.

... Hybrid Perpetual Roses...

ALL the roses included under this class are thoroughly hardy; that is, they will live through winter in almost any part of the United States.

PRICE:—Any of the above Varieties, Each, 12c.; 3 for 30c.; 6 for 55c.; 12 for \$1.00, Postpaid.

~ ~ Hardy Climbing Roses ~ ~

THE PLANTS of this class of Roses are used for covering trellises, walls, pillars, etc. They grow with great rapidity, are perfectly hardy, have beautiful foliage and produce flowers in large clusters.

4 RAMBLER ROSES

in four different colors,

CRIMSON, WHITE,
PINK, YELLOW,

all 4 for 50 cents, postpaid.

These roses should be in every garden. There is nothing in their class which will in any way compare with them.

The RAMBLER Roses will grow from 8 to 10 feet in one season. The size of their beautiful fragrant flower heads is remarkable. The foliage is thick and heavy. Flowers when cut last two weeks in water. May be grown as a pillar rose, trained on an arch, or over the surface of the ground.

Crimson Rambler. Crimson.

White Rambler. Pearl white.

Pink Rambler. Pink.

Yellow Rambler. Golden yellow.

PRICE: Each 12c; 3 for 35c; 6 for 60c.
10 for \$1.00, postpaid.



DOUBLE MEMORIAL ROSES.

The habit of these new roses is the same as the Rose Wichuriana, or Memorial Rose. The growth is creeping, and therefore can be used to cover ground, stems of trees, pillars, posts, trellises, or any other purpose desired, including pot culture.



MANDA'S TRIUMPH.

WICHURIANA HYBRIDS.

Manda's Triumph. White, fragrant flowers, double to the center.

South Orange Perfection. Rosy blush. Distinct from all others.

Universal Favorite. Pink. A fitting companion to Triumph.

Pink Roamer. Single; flowers are pink with white center. A strong and vigorous grower.

PRICE: Each, 15c; or one each of the five varieties for 50c. postpaid.

Other Climbing Roses

BALTIMORE BELLE. Pale blush, shading to rose.

EMPEROR OF CHINA. This is a new and a valuable perpetual blooming climber. It commences flowering the first of May and except under some especially trying circumstances, such as long drought, it will bloom repeatedly until late fall. Flowers are small, delicate, fragrant and waxy. Bud is dark red, changing to a red or pink.

SEVEN SISTERS. Color varies from white to crimson.

PRairie Queen. Bright pink.

Russell's Cottage. Velvety crimson.

Tennessee Belle. Rosy blush.

Mary Washington. Pure white.

All the above have double, sweet-scented flowers. They are all well tried and climate tested. Will live through the winter outdoors.

PRICE: Each 12c; 3 for 35c; 1 each of the 7 for 65c, postpaid.

Hybrid Sweet Briars.

A UNIQUE class of Roses of great beauty. They are crosses between the well known Sweet Briar and other roses. All possess the delightful fragrant foliage and strong, vigorous growth of the Briar. They are as hardy as oak trees. Their flowers are single, many shades of color, and are borne in great profusion. We offer in three colors, red, white and pink.

PRICE: Each, 15c; 3 for 40c; 6 for 75c.

MOSS ROSES.

Well known and highly valued for their large, sweet flowers, enveloped in mossy envelopes, of charming beauty; absolutely hardy and of the easiest culture. They bloom very freely and are among the most beautiful of roses, succeeding on any good soil.

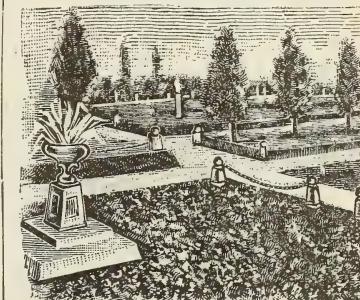
Blanche Moreau. Blooms in large clusters; pure white, fragrant, mossed deep green.

Crimson Globe. Rich, bright crimson, full and double.

Princess Adelaide. Large, very double and full; lovely, bright, rosy pink; profuse and a strong grower.

PRICE: Each, 15c; 3 for 40c; 6 for 75c.

The Hardy Memorial Rose.



(ROSA WICHURIANA.)

It is difficult to think of any plant more appropriate for use in cemeteries than this.

It creeps on the ground like Ivy; dark green leaves.

Has numberless satiny white single flowers with golden yellow di ks.

It is hardy as grass and will grow in sun or shade.

It may be trained to a fence or house with equal success, or it may be trained in arch form to make a perfect bower.

Each, 15c; 2 for 25c.

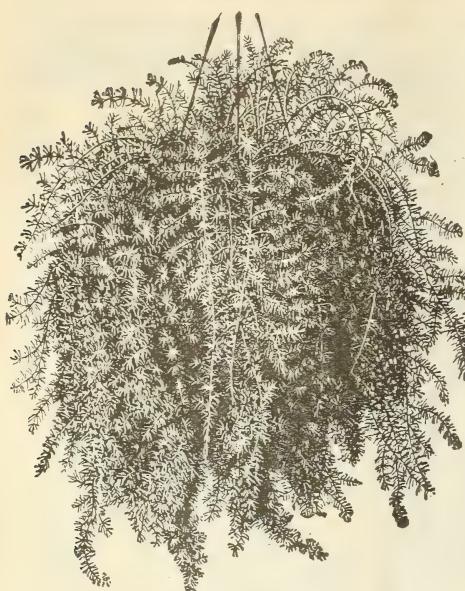
....TREE ROSES....

These are made by grafting Hybrid Perpetual Roses on hardy rose stalks. The plants are 4 to 5 feet high, having large tree-shaped heads, which, when in bloom, are very showy. We have them in different colors, such as white, pink, red and crimson. Please express your preference. **They are so large they cannot be sent by mail.**

By express, Each, 50c; 3 for \$1.40.

Mail size plants are of good form, well rooted and as large as can be sent through the mail. We strongly recommend the larger, field grown plants offered on page 92, as most of them will bloom first season and all will produce immediate effect.

A Selection of Well-Known Plants.



EMERALD FEATHER.

UMBRELLA PLANT.

(*Cyperus Alternifolius*.)

CHIS is one of the easiest plants to cultivate, indeed it will grow in a bowl, dish or vase partly filled with soil and water. It is also used to advantage outdoors in fountains and around the edges of ponds. Throws up stiff leaf stalks with spreading, umbrella-like leaves. From the center of these appear small flowers followed by young plants. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all, it is as easily grown as the commonest weed, as it will thrive in shade as well as sun. Each 12c; 3 for 30c, postpaid.

SELECT CARNATIONS.

DEXT to Roses, Carnations are sought after. The flowers are very fragrant and are borne in the greatest profusion. Carnations branch freely, making thick, compact plants, which are continually loaded with most beautiful flowers, and bloom perpetually. Just the sort for windows in winter and for bedding out during summer. The following list embraces the best varieties up to date. Each 10c; 6 for 50c, postpaid.

Bonton. Bright scarlet; large, deeply fringed flower. Strong, vigorous grower.

Daybreak. Bright flesh color. This variety lasts a long time when cut, and is greatly admired.

Eldorado. Clear yellow, the edge of petals tipped with pink.

Evelina. A fine white, of good size and form. Has earliness, great freedom of bloom, and continuity among its good points.

Firefly. Deep scarlet. An early bloomer.

Flora Hill. Florists say this is the best white. It is of easy culture, and wonderfully free to bloom.

Gold Nugget. Deep yellow with slight red markings. The flower while not large, does not burst open. This fine Carnation has taken the lead in its class.

Jubilee. An intense scarlet. Large, well-rounded flower. It seems to prefer a strong, stiff soil.

Wm. Scott. The most popular Pink Carnation of the day. Flowers large and non-bursting. Stems long and stiff. You make no mistake in buying several plants of Wm. Scott Carnation.

One each of above nine Carnations for 70c, postpaid.

These are sent by mail, postpaid, at prices here named.

CLIMBING LACE FERN.

(*Asparagus Plumosus*.)

AN exceedingly beautiful climbing plant which thrives in the ordinary living room. The leaves are deep green, as fine as lace, and are prized in decorations. Each 15c; 3 for 40c, postpaid.

EMERALD FEATHER.

(*Asparagus Sprengeri*.)

TIT is a strong, vigorous plant, very easily grown. Of drooping habit it is just the thing for a hanging basket or pot. Its lovely green sprays keep on growing fresh and green. The cut fronds work into bouquets very nicely. Each 15c; 3 for 40c, postpaid.

JAPAN CEDAR.

(*Cryptomeria Japonica*.)

CHIS is a lovely evergreen which can be grown with great success by the most inexperienced. It makes a charming decorative pot plant and an excellent companion for Palms, Ferns, etc. It will continue handsome under the most unfavorable conditions. Each 20c; 3 for 50c, postpaid.

COLEUS.

Unexcelled for Bedding.



JAPAN CEDAR.

CHESE so-called Foliage plants with lovely leaves in many variegated hues have been used for many years as among the most beautiful decorative plants. It is difficult to describe the tints shown by the different varieties. We name the following as those which will stand the hot sun and retain their colors.

Golden Bedder. Deep golden yellow.

Firebrand. Dark crimson, shaded scarlet. Has strong foliage.

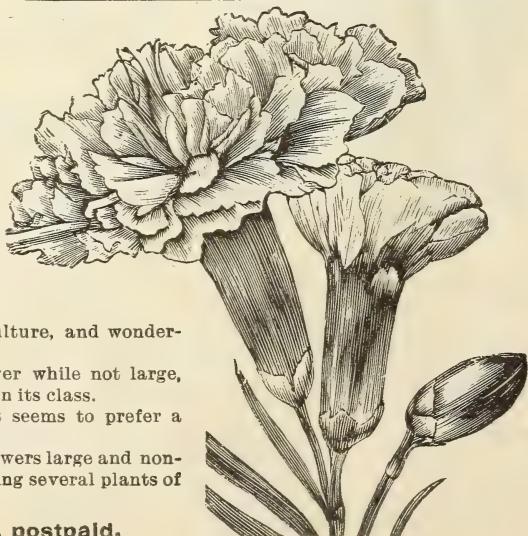
Verschafeltii. Velvety crimson.

Golden Crown. Yellow spotted with green. Enduring in color.

Each 8c; 4 for 30c, postpaid.

A SPECIAL OFFER.

4 Choice Carnations, our selection of varieties, in pink, scarlet, white, and yellow, for 30c. postpaid.



CHRYSANTHEMUMS.

CHRYSANTHEMUMS have gained a prominence attained by possibly no other plants than Roses and Carnations. Their popularity is well attested by the crowds who attend the fall flower shows now held in almost every large city. Our list has been carefully compiled from the best prize-winning varieties.

Of the easiest growth they quickly make large plants either in open ground or in pots. Partial shade, fairly good soil, and moderate watering will bring satisfactory results.

Each, 15c; 6 for 50c, postpaid.

FISHER'S TORCH. Bright, fiery red, the richest shade in Chrysanthemums; large, fine flower.

IVORY. Unexcelled for pot culture or cutting; pure white flower of exquisite form and finish.

J. A. LAGER. Reflexed, of great depth. Petals long and twisted, open at the end, of pure yellow.

MAUDE DEAN. An immense pink variety; finely incurved; petals broad, shell shaped. One of the largest flowers exhibited in the fall shows.

MAJOR BONNAFFON. Soft, clear yellow; full in the center, eight inches in diameter and nearly as deep. In perfect form and finish; habit dwarf.

MME. F. BERGMANN. The finest of all the early whites; very large and full, and of the purest white, with creamy center; a strong, sturdy habit; fine foliage. The most popular white variety with florists for early forcing.

MRS. E. G. HILL. One of the earliest of all large flowering sorts. Flowers very large; color, delicate pearl pink. A grand incurved variety.

MRS. HENRY ROBINSON. In the entire Chrysanthemum family there is no grander white variety. A perfect ball of snow of handsome build.

NIVEUS. A grand, snow white variety; center irregularly incurving with outer petals reflexing nearly to the stem. Constitution robust; foliage large and abundant, while the keeping qualities of the flowers are unsurpassed.

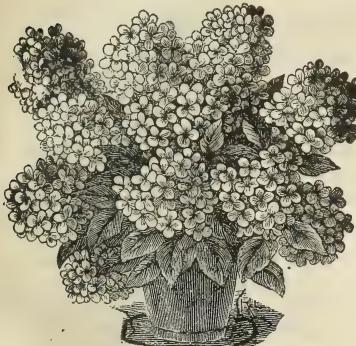
THE QUEEN. One of the grandest of all whites, especially for exhibition.



4 COLOR COLLECTION

One plant each of
**PINK, RED,
WHITE,
and YELLOW,**
our selection of
sorts,

for 30c, postpaid.



HERBACEOUS HYDRANGEAS.

GRAND pot plants with immense heads of bloom. Just the thing for a porch or veranda. Partial shade and abundance of water are required during the growing season. Must be put in the cellar in fall.

OTAKSA. The pink flowered Japanese variety. Always a favorite.

RED-BRANCHED. This also produces rose-colored flowers, and its branches are dark red, brightening as they near the flower trusses.

THOMAS HOGG. Large, pure white flowers. It is almost as hardy as the well-known *Paniculata*. Each, 20c; three (1 of each) for 50c, postpaid.



FLOWERING PEA BUSH,

Or Mongolian Honeysuckle.

ONE of the most popular plants in our catalogue. The plant in time grows to a shrub of 5 to 6 feet in height. While young it branches out close to the ground spreading in all directions. It is an abundant bloomer, in fact covered with flowers which are deep violet-red with a white and yellow spot at the base of petals. Stands the severe climate of Northern Winters. Its exceeding hardiness will make it a valuable addition to garden shrubs. Each, 15c; 3 for 40c, postpaid.



CURIOS FERN BALLS.

INTRODUCED but two years ago, thousands have already been sold. They thrive in the window hung up by a cord. Require no soil. When growing should be watered 2 or 3 times a week.

The center is moss, covered with fern roots twisted together. After watering they start into life and in a short time are covered with a mass of beautiful green foliage. If desired they may be allowed to dry up, which is very convenient when a person goes on a summer vacation. If desired they may be cut in halves and placed in a fern dish. Each, 75c; postpaid. Larger balls at same price by express but not prepaid.

DORMANT
TWO-YEAR-OLD

EXTRA LARGE HARDY ROSES.

Dormant Roses as at first seen are liable to prove a disappointment. They are budded low upon Manettia stock and may be relied upon to produce the color of flower agreeing with description if the simple precaution is taken of setting the budded portion below the surface of the soil. They are leafless—apparently lifeless. Can be planted out very early in spring. Much more so than the plants taken from greenhouses.



Special Notice.

ALL PLANTS offered upon this page must be shipped by express or freight at expense of purchaser. For smaller plants delivered postpaid, we refer the reader to pages 87, 88, 89.

We would suggest that the PLANT order be sent early—with that for seeds. Past experience has proved that there is much to be gained by foresight in placing your order.

Hybrid Perpetual Roses.

These we can supply at any time up to April 15. No garden is complete without a bed of these beautiful roses with flowers three inches and over in diameter.

Two-year-old field grown plants, each 25c; doz. \$2.50. Not Prepaid.

Alfred Colomb. Crimson, large, fragrant flowers.

Anne de Diesbach. Bright rose color, very large.

Abel Carriere. Purplish crimson, shading in the center to red.

Antoine Mouton. Deep rose, fringed with lilac; full form.

Baroness de Bonstetten. Dark red, exceedingly fragrant.

Baroness Rothschild. Light rose.

Boule de Niegé. Pure white.

Captain Christy. Delicate flesh color.

Coquettes des Alpes. Pure white flowers, exquisite in form.

Fisher-Holmes. Rich velvety crimson, large and fragrant.

Francois Levet. Clear bright rose, delicately shaded carmine.

General Jacquemynot. Rich velvety crimson; magnificent bud.

General Washington. Red, shaded with crimson.

Giant of Battles. Intense crimson, delightfully fragrant.

La France. Silvery rose, flower large and of distinct fragrance.

La Reine. Clear light rose; perfectly hardy; fine form.

Mabel Morrison. Pure white.

Mme. Plantier. Pure white; a favorite for cemetery decoration.

Mme. Victor Verdier. Crimson.

Magna Charta. Pink, suffused with rose; immense flowers.

Paul Neyron. Deep rose color; largest of all, perfect in form.

Prince Camille de Rohan. Velvety crimson, shading to maroon.

Perles des Blanches. Pure white, an exceedingly free bloomer.

Ulrich Brunner. Cherry red flowers, beautifully shaped buds.

With other named sorts of similar colors.

Moss Roses. Admired for their beautiful buds enveloped in a mossy fold. Being entirely hardy they are desirable for culture in the open ground. Please state color of flower you prefer. We supply either white or pink. Large field-grown plants, each 35c; dozen \$3.50, not prepaid.

Large Hardy ROSES for the Cemetery.

The Memorial Rose. (See page 89 for illustration.) Once planted will take care of itself. It is as hardy as grass and will grow in sun or shade. Its natural habit is to creep like an Ivy, but it may be trained to climb, and used to good effect in covering walls and trellises. Strong plants, each 25c, not prepaid.

Madame Plantier. As a cemetery rose is still without a rival. The flowers are borne in the greatest profusion, and are of the purest white. Hardy as an oak and almost certain to grow, it is not to be wondered at that it still holds its own against all comers. Price, strong plants of above for this season's blooming, each 25c; \$2.50 per dozen, not prepaid.

Climbing Roses.

To meet the requirements of persons who wish for immediate effects, we are prepared to furnish those named below in extra large plants, each 25c; 6 for \$1.35; doz. \$2.50, not prepaid.

CRIMSON RAMBLER. This fine rose is of very vigorous growth, producing shoots from 8 to 10 feet long in one season, when well established; flowers the brightest crimson color, in large trusses of pyramidal form; free flowering; continuous bloomer.

BALTIMORE BELLE. Literally a sheet of fragrant, pale-blush, blooming in early summer.

SEVEN SISTERS. Large clusters of roses shaded from white to crimson, no two alike in cluster. Fine and odd.

QUEEN OF THE PRAIRIE. A distinct rose, with deeply sunken center, making a cup-shaped rose of much beauty.

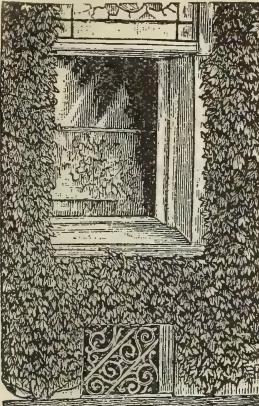
Tree Roses. Rose specialists take various colored H. P. Roses and graft them upon stems 5 to 6 ft. high. They have large tree-shaped heads. State color desired.

By express, each 50c; 3 for \$1.40.

HARDY ORNAMENTAL CLIMBING PLANTS.

CLIMBING VINES thrive and flower in any garden soil, and once established do not require any extra care. All of those named upon this page are hardy, that is, they live out doors all winter, starting again anew the following spring to clothe in beauty and verdure any object upon which they may be trained.

Most of the plants are two and three years old, with strong roots. Such stock from its size can only be shipped by express or freight at buyer's expense. Young plants are sent by mail, postpaid.



BOSTON IVY.



CLEMATIS.



HONEYSUCKLE.



WISTARIA.

AMPELOPSIS

Veitchii (Boston Ivy. Japanese Woodbine.) Unexcelled for covering walls, as it clings firmly to the smoothest surface, clothing it with a mass of overlapping leaves that are deep green during summer, changing to bright shades of crimson and yellow in autumn. By mail, each 15c; doz. \$1.50, postpaid. Larger plants 20c each; \$2.25 per 100, not postpaid.

AMPELOPSIS QUINQUEFOLIA.

(VIRGINIA CREEPER.)

Used for the same purpose as Boston Ivy. It is of most sturdy growth, having very strong vines and larger leaves. Each 20c; not prepaid.

CLEMATIS The Queen of Climbing Plants

NOTHING in the way of vines will compare with the Clematis for covering porches, pillars, trellises, etc. Grown as a single specimen trained to a pillar is perhaps the best manner in which to get the best effect. In any form the large star-shaped flowers are produced from June until October.

Plant at any time from April until June, and deep enough so that the crown of the roots will be at least four inches beneath the surface of the ground.

On account of the brittleness of the bark on Clematis it cracks very easily, and many people believe the plant to be permanently injured when such is not the case. We examine all plants carefully before shipping, to see that they are in good condition, and if they die after being planted, as must sometimes happen, we do not agree to replace them.

LARGE FLOWERED CLEMATIS.

Price 60c each, not prepaid.

Dutchess of Edinburgh. Double white. Best of class. JACKMANII. Blooms until cut off by frost; rich, deep velvety purple. A grand and well-known sort.

Henryii. Large, single, white. Very strong grower.

Gipsy Queen. Dark purple. Blooms very freely.

Miss Bateman. White, with chocolate-red anthers.

ARISTOLOCHIA SIPHO

(Dutchman's Pipe.)

This plant, on account of its rapid growth and large heart-shaped leaves, is suitable to cover arbors and for screens. Bears brownish flowers which resemble a miniature pipe. Large plants, each 35c, not prepaid.

BIGNONIA RADICANS.—(TRUMPET CREEPER.)

Useful to cover dead trees and other unsightly objects. Clings to bark or walls with tenacity. Foliage fern-like; flowers orange-scarlet, trumpet-shaped, borne in clusters. Large plants, each 30c, not prepaid.

CLEMATIS PANICULATA.

(New Sweet-Scented Japan Clematis.)

ONE of the most beautiful climbers. It is as hardy as an oak. Its blooming period is in August and September. The fragrant, small white flowers are in large clusters. Grows very rapidly, spreading out in all directions. We cannot recommend *C. Paniculata* in the strongest manner as one of the best vines to grow near the house. It makes a growth of 20 feet or more each season. Should be cut back to the ground each spring. By mail, each 12c; 3 for 30c, postpaid. Large plants, 25c, not prepaid.

HONEYSUCKLES. (LONICERA.)

Honeysuckles are useful to train over summer houses or porches. Planted two feet apart and trained upon wire they form an excellent hedge. Bloom all summer.

Monthly Fragrant. (BELGICA.) Large, fragrant, red and yellow flowers.

Scarlet Trumpet. (SEMPERVIRENS.) Rapid grower; bright red trumpet-shaped flowers.

Halleana. Almost evergreen; holds its leaves until January. Pure white flowers, changing to yellow.

Price of Honeysuckles. By mail, each 12c; 3 for 40c. Large plants, each 25c; doz. \$2.50, not prepaid.

WISTARIA.

This Chinese plant is desirable for porches and trellises. It grows to a great size and age. The flowers of soft lavender blue are produced in masses like bunches of grapes. A beautiful plant. Large plants, each 35c.

Hardy Flowering Shrubs.

HARDY SHRUBS, judiciously planted around the home ground, impart to the place a neat, finished effect, which can be produced in no other way. They are not particular as to location; once planted, they are there to remain, as they endure. The list includes only the best and most desirable sorts.

In the following list, the month named gives the period of blooming. By selection it is possible to have shrubs in bloom during the entire season.

NOTE. Unless otherwise stated, all our stock is field-grown, two years old, large plants, which are forwarded by express and the purchaser pays the charges.

ALMOND.

The flowering Almond is a beautiful shrub that blooms early in spring. Double rose and white. Each, 25c.

ALTHEA or Rose of Sharon.

Altheas are excellent to plant either singly or in groups. They grow to 6 feet in height, erect and bushy. Bloom in August and September. Flowers like Hollyhocks, but larger. Each, 25c.

BERBERRY.

This bears yellow flowers in May, followed by violet-colored fruit in fall. Foliage purple. An excellent, low-growing, hedge plant. Each, 25c.

CALYCANTHUS.

(Sweet-Scented Shrub.)

Height, 6 to 8 ft. Handsome foliage; double, dark maroon flowers in May and June. Young wood and leaves are aromatic. Each, 25c.

DEUTZIA Gracilis.

A bushy plant about 2 feet high. Blooms in May. Pure white flowers, produced in great profusion upon slender branches. Each, 20c.

FORSYTHIA.

Golden Bells. One of the earliest spring-flowering shrubs, producing in great profusion, rather large, pendulous, very bright yellow flowers in tufts from all parts of its branches. 5 ft. Each, 25c.

HONEYSUCKLE.

(Tartarian Upright.)

Of spreading habit. May and June. Pink flowers, followed by red berries. Each, 25c.

For Climbing Honeysuckles, see page 93.

HYDRANGEA.

Paniculata Grandiflora.

This grand shrub is as hardy as a lilac. 6 to 8 ft. high. Blooms in August and September. Requires good soil and plenty of water. Under these conditions, its pure white, cone-shaped flowers, reach an enormous size. The blooms change with age, to pink and red. By mail, each, 10c; 6 for 50c, postpaid. Large plants, each, 25c.



CALYCANTHUS.



HYDRANGEA PANICULATA GRANDIFLORA



WEIGELIA VARIEGATA.

LILAC—SYRINGA.

Well-known shrubs that bloom in May. They will grow in poor soil, and endure neglect, heat, or drought, without showing injurious effect.

Syringa Vulgaris. Common purple lilac. Each, 25c.

Syringa Vulgaris Alba. White lilac. Each, 25c.

MOCK ORANGE (Philadelphus.)

Coronarius. Large clusters of pure white, waxy flowers, in June. Grows to a medium height, rounded in form. Has beautiful foliage. Each, 25c.

SNOWBALL.

Common. (*Viburnum sterilis*). Attains the height of 8 or 10 feet, and produces its snowy white flowers in large balls or masses in June. Each, 25c.

Japan. (*V. Plicatum*). 6 to 8 ft. May. Dark green foliage, white flowers. Better in every way than Common Snowball. Each, 40c.

SPIREA.

Spireas are graceful shrubs, worthy a place in every garden. They are of easiest culture, and there is a wide range of foliage, color of flower, and habit of growth.

Prunifolia (BRIDAL WREATH.) Pure white double small flowers like Daisies. Blooms in May. Strong, upright grower. One of the most beautiful of all. Foliage in autumn turns to a fine bronze. Each, 25c.

Reevesii. Blooms in June. Double white flowers; narrow, pointed leaves. Each, 25c.

Van Houttei. When in bloom in May and June, it is a weeping fountain of snow-white flowers, borne on branches two feet or more in length. This sort is very hardy. One of the most beautiful shrubs in our list. Each, 25c.

WEIGELA.

Plants erect in habit while young, but gradually drooping and spreading as they acquire age. Weigelas produce beautiful flowers in June and July.

Candida. Snow white flowers.

Rosea. Rose colored flowers.

Variegata. Silvery variegated foliage; flowers pink, dwarf in habit.

Mail size of any Weigelas, each, 12c, postpaid; large plants, each, 25c.

Hardy Herbaceous Perennial Plants.

For Permanent Planting in Garden Borders, Cemetery Plots, Etc.

HERBACEOUS PLANTS are those whose foliage dies to the ground each autumn, coming forth again in increased vigor and strength with the return of spring. They are the plants to set out in situations where little care can be given. Perennials have never been so popular as they are at the present time.

By judicious selection it is possible to have a continuous bloom from these perennial plants throughout the entire season. To assist our patrons in forming a collection, in the following list we give height at maturity, color, and time of bloom. We urge our customers to make liberal use of the list below.



Price for any of the following (except otherwise noted), 25c each. \$2.50 per dozen by express. Of some varieties which are so indicated we can supply young plants by mail, postpaid.

AQUILEGIA (COLUMBINE).

These are excellent border plants blooming in May and June. Their flowers are spurred, and embrace a wide range in color: white, blue, red, and yellow. April to August, 1 to 3 feet.

• Bleeding Heart. •

(DICENTRA SPECTABILIS.)

An easily cultivated plant, excellent for the border or cemetery. Grows about 2 ft. high. Flowers rose colored, heart shaped, produced in early spring. By mail, 15c postpaid. Larger size roots will be sent in express orders at same prices.

COREOPSIS LANCEOLATA.

Golden-yellow flowers produced the entire season. Each flower is borne on a long, leafless stem. When cut, they will last in water for several days without fading. Height 18 inches.

DELPHINIUM FORMOSUM.

Blooms from June until late autumn, 3 feet. The best known of hardy Larkspurs. Long spikes of deep blue flowers with white eye.

DIGITALIS (FOXGLOVE).

Of stately growth, 3 to 5 feet; fine for shrubberies or partially shaded places. Thimble-shaped flowers in various colors.

FUNKIA (PLANTAIN LILY).

The so-called Day Lilies have again become exceedingly popular, especially the variegated leaved.

CORDATA. Leaves broad, yellowish green. Flowers pure white, very fragrant. 2 ft. August.

Variegated Leaved. Green and white leaves and purple flowers.

HELIANTHUS Multiflorus fl. pl.

(HARDY DOUBLE SUNFLOWER).

Blooms all season. 4 ft. Loaded with double yellow flowers; excellent for cutting.

HOLLYHOCKS.

For planting in rows on the lawn or interspersed among shrubbery, Hollyhock plants are matchless in the effect they produce. Growing 5 to 6 ft. high, their tall spikes of beautiful double flowers stand out conspicuously. Fine plants raised from the best Double-flowered strain in crimson, yellow, white, and pink.

ALLEGHENY HOLLYHOCKS.

Entirely distinct from all others. In form and growth like the old-time Hollyhock, but the flowers are extra large, curled, and fringed. They come double and semi-double in shell-pink, rose, and red. In bloom from June until frost. Mixed (cannot supply separate colors).

IRIS (FLEUR DE LIS).

JAPAN IRIS. (*Iris Kämpferi*.) Narrow leaved; handsome, very large, flowers in June and July. These are altogether different from German Iris. We have a collection of assorted colors.

GERMAN IRIS. Broad leaved. Planted where they can be well supplied with moisture, they furnish flowers for cutting in great quantities. Grow about 2 ft. high. Bloom in June and July. In colors there are yellows, blues, purples, and others nearly all more or less variegated.

• • • MYOSOTIS. • • • (Forget-me-not.)

Almost every one knows this pretty spreading dwarf plant which is covered nearly all summer long with delicate blue flowers with yellow center. Each, 10c, postpaid.

YUCCA (ADAM'S NEEDLE).

Narrow, evergreen leaves. The plant in summer bears creamy-white, bell-shaped flowers, on a stem 3 to 4 ft. high. Young plants, each, 20c, postpaid. Stronger roots, each, 30c, not prepaid.

PÆONIES.

If but one selection from the Herbaceous Plants can be made, we would unhesitatingly suggest Pæonies. They not only combine stateliness of growth with beautiful coloring, but many of the flowers are as fragrant as roses. We have three colors, white, rose, and pink. Pæonies require good soil, but are not particular as to location. Will thrive even in shady places. They bloom in June. They are somewhat slow in growth, but once established give splendid flowers.

PERENNIAL PHLOX.

Best improved sorts with stocky, well-clothed stems crowned with large heads of flowers of all shades of colors from pure white to purple. In bloom from June to August.

HARDY GARDEN PINKS.

Dwarf bushy plants bearing double flowers of varied colors. Bloom in summer.

Grass Pink. An old-time edging plant. Very fragrant, fringed flowers from white to pink. Each 15c; doz. \$1.25.

Pheasants' Eye Pink. Almost constantly in bloom. Single flowers. Various colors. Each 15c; doz. \$1.25.

RUDBECKIA.

"Golden Glow." A noble plant, attaining a height of 4 to 6 ft. It blooms in July and August of the same year as planted. Its golden yellow flowers on long stems are much used in vases for decorative purposes. Young plants by mail each 10c. Field-grown clumps, each 25c.

• SWEET WILLIAM. •

An old favorite of very easy culture. Large field-grown plants, each 15c.

VINCA, or PERIWINKLE.

A creeping plant with very dark leaves and purple flowers. Used for cemetery plots. Each, 15c.

SELECTED NURSERY STOCK.

ESPECIAL attention is called to the *very superior quality* of the nursery stock we supply. It is **first class** in every respect, **smooth, straight, handsome**. Packing and delivery to railroad depot or express office in Chicago **free of charge**. For light shipments we advise express, larger quantities or heavy packages generally go safely by freight. Purchaser pays transportation charges. State how we shall ship. We will notify you when we do so.

TAKE NOTICE. All on this page must be shipped you by **express or freight at expense of purchaser**; too large and heavy to mail. See following page for those varieties which we can deliver postpaid to your post office.

Apples.

5 to 7 ft. high. Each 25c; doz. \$2.50.

Special rates made on large lots.

Summer and Autumn Varieties.

Early Harvest. Yellow. July.

Red Astrachan. Deep crimson.

Duchess of Oldenburg. Yellow streaked, red, juicy, rich, sub-acid.

Alexander. Large beautiful red apple.

Keswick Codlin. Pale yellow, fine for cooking and market. July.

Snow. Medium, brilliant crimson, mild and agreeable. October.

Maiden's Blush. Large, beautiful.

Wealthy. Large red, sub-acid.

Yellow Transparent. Earliest and best; white, tender, juicy, sub-acid.

Winter Varieties.

Baldwin. Bright red, juicy, crisp.

Ben Davis. Large, handsome, striped.

Northern Spy. Large, striped, mild.

Jonathan. Medium, red, extra quality.

Talman Sweet. Medium, pale yellow.

Wagener. Deep red in the sun.

Crab Apples.

Early bearers; hardy and ornamental. 5 to 7 ft., each 25c; doz. \$2.50.

Hyslop. Crimson. October.

Transcendent. Bright red. September.

Whitney. One of the largest, glossy carmine, juicy, excellent for cider.

Yellow Siberian. October.

The Bismarck Apple. This has been widely advertised and sold in recent years. Because it **bears fruit when two years old**, it has been largely grown in pots for decorative purposes. Fruit large, yellow; fine for cooking. It probably has more novelty than any thing else to commend it. Young plants by mail, 25c each, postpaid. We do not carry in standard (5-7 ft.) size.

Cherries.

4 to 6 ft., each 40c; doz. \$4.00.

Early Richmond. Best early, dark red, sub-acid, juicy. June.

Black Tartarian. Sweet, black, large, juicy, rich. Makes a good shade tree.

Pears.

Those marked (*) can be supplied in standard, (5 to 7 ft.) or dwarf form (4 to 5 ft.) at the same price.

Unless noted, each 40c; doz. \$4.00.

***Bartlett.** Buttery, juicy, great bearer.

***Idaho.** Yellow with russety spots.

Kieffer. Russety yellow.

***Seckel.** Small, yellow, red cheek.

Peaches.

Healthy trees with splendid roots. General size, 4 to 6 ft., each 20c; doz. \$2.00.

We can supply all leading varieties, early, medium, and late bearers.

Plums.

We offer fine trees 5 to 7 ft., of native, European, and Japanese varieties, each 30c; doz. \$2.50.

Abundance (JAPAN). Yellow overspread with cherry. August.

Pottawatomie (NATIVE). Yellow with pink and white dots. August.

Wild Goose (NATIVE). Red with blue bloom; juicy and sweet. July.

Shropshire Damson (EUROPEAN). Dark purple; best for preserving. October.

Quince.

Meech. Large, orange-colored fruit; cooking quality unsurpassed. Young trees 4 to 5 ft., each 30c; 4 for \$1.00.

Grapes.

Two sizes are offered. Young plants by mail, postpaid; and very strong two-year-old stock grown without transplanting. All have plenty of good roots. Mail size, each 15c; 3 for 40c, postpaid. Express size, 20c each; \$2.00 per doz., not prepaid.

Agawam. Red. Ripens early.

Brighton. Red. Fine for the table.

Concord. Black. Well known. Fall.

Moore's Early. Black. Two weeks earlier than Concord.

Moore's Diamond. White. Ripens before Moore's Early.

Niagara. Greenish white. September.

Pocklington. Golden Yellow. A general favorite.

Worden. Black. Earlier than Concord.

Evergreens.

They are grown either as single specimens, or for making compact hedges around cemetery plots and other locations.

Nice plants averaging 1½ to 2 ft.

EACH.

Arbor-Vitae, American. \$.40

Juniper, Irish. For cemetery use.50

“ **Virginia.** (Red Cedar).50

Pine, Scotch.50

“ **White.** Forms a tree.50

Spruce, Norway. For hedges.50

Shade Trees.

For street trees there is nothing better than the Rock or Sugar Map'e; Ash is good. For lawns, Cut-leaved Weeping Birch is one of the most beautiful. Linden, Tulip, Maple, Ash, Elm, etc., should have a place in large grounds. Unless otherwise stated these prices are for trees 6 to 8 ft. high.

EACH. DOZ.

Ash, White. \$.50 \$5.00

“ **European.**50 5.00

Catalpa Speciosa.50 5.00

“ **Tea's Japan.**50 5.00

Elm, American.50 5.00

Horse Chestnut. 4 to 5 ft.50 5.00

Linden, (Basswood) 6 to 8 ft.60 6.00

Maple, Norway.50 5.00

“ **Sugar or Rock.**50 5.00

“ **Silver.**40 4.00

“ **Ash-Leaved.** (Box

Elder) 6 to 8 ft.40 4.00

Tulip. (Whitewood), 5 to 6 ft.45 4.50

Weeping Trees.

The drooping branches of Weeping Trees make this class desirable for cemetery decoration.

EACH.

Birch, Cut-Leaved. 6 to 8 ft. \$.75

Beech, Pendula. 2 to 3 ft. 1.00

Elm, Camperdown.75

Mountain Ash.75

Mulberry Tea's. Two-year heads.75

Willow, Wisconsin. 3 to 6 ft.50

Fruit Plants.

The prices named are for strong, well-established stock—so large that it can not be sent by mail. Sent by express or freight at the expense of purchaser.

Strawberries. 100, 50c. 1000, \$4.00.

Varieties: Bubach, Crescent, Jessie, Timbrell, and Warfield.

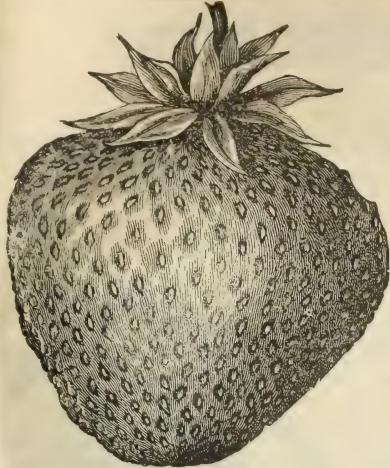
Raspberries. All varieties described on next page (except Cumberland). Doz. 30c; 100, \$2.00. **Cumberland.** Doz. 75c; 100, \$5.00.

Blackberries. **Iceberg**, the white Blackberry. Doz. \$1.00; 100, \$6.00. **Rathbun**, at same price. **Erie**, **Early Harvest**, and **Kittatinny**. Doz. 30c; 100, \$2.00.

Currants. Each 15c; doz. \$1.25.

Varieties same as on following page.

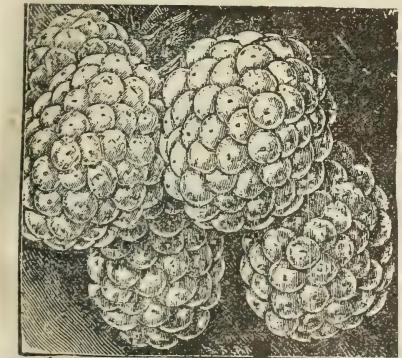
Gooseberries. See descriptions next page. **Columbus, Industry, and Red Jacket**, each 20c; \$2.00 doz. **Houghton and Downing**, each 15c; 100, \$1.25.



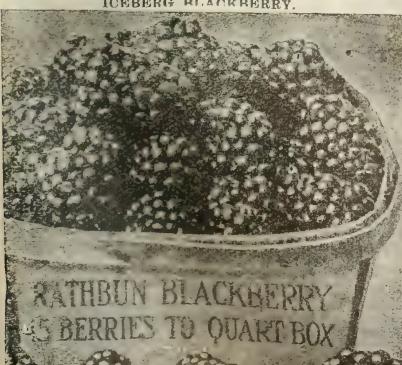
JESSIE STRAWBERRY.



CUMBERLAND BLACKBERRY.



ICEBERG BLACKBERRY.



RATHBUN BLACKBERRY.

Small Fruit Plants.

We are prepared to mail during the spring months any of the following Small Fruit Plants. The prices quoted include packing, postage and delivery to any post office in the United States.

Should larger quantities be desired for shipment by express, we will take pleasure in quoting very reasonable prices. Write us for an estimate, stating what you wish to purchase.

STRAWBERRIES.

Those marked with (P.) are pistillate varieties, and must have a row of a perfectly formed sort planted every 10 or 12 feet to pollenate their blossoms.	Dozen
Brandywine. Berries large, dark red, fine flavor. Mid-season.....	.30
Bubach No. 5. (P.) Large size, crimson, good flavor. Mid-season..	.30
Clyde. Bright scarlet, fine flavor. Mid-season.....	.30
Crescent. (P.) Light scarlet, bears a long time. Early.....	.30
Greenville. (P.) Large and of uniform size, delicious flavor. Late...	.30
Jessie. Large glossy crimson, excellent flavor. Early.....	.30
Marshall. Berries of very large size; 14 have been known to fill a quart box; dark crimson. Mid-season.....	.40
Parker Earle. Very productive, excellent flavor. Mid-season.....	.35
Sharpless. Large and very prolific, good flavor. Mid-season.....	.30
Timbrell. (P.) Best of the late berries, rich flavor. Late.....	.60
Wartfield. (P.) Firm, large, productive, splendid quality. Mid-season	.30
Wilson. Second early. Dark red, slightly acid.....	.30
Wm. Belt. Enormous berries; bright red, conical, glossy. In quality all that can be desired. If you try but one order this variety. Mid-season	.40

GOOSEBERRIES.

Plant in good, rich soil in rows 5 feet apart by 3 feet in the row. Each	
Columbus. Greenish yellow; new but well tested, and is good everywhere.....	.20
Downing. Pale green, fine quality..	.15
Industry. Dark red, excellent flavor	.20
Red Jacket. Rich red, good flavor..	.20
Houghton. Light green, an esteemed variety for cooking15

CURRENTS.

The plants of this fruit should be set 4 feet apart in good, rich soil. Cultivate well, or mulch heavily. Each	
Black Champion. The leading black sort.....	.10
Cherry. The popular red currant..	.10
Fay's Prolific. Large bright red fruit	.10
Versailles. Very large, red, of excellent quality.....	.10
Victoria. Large, bright red.....	.10
White Grape. The best white. Large, of excellent flavor.....	.10
North Star. Extremely hardy, early and an abundant fruiter. Its quality is good, rich and juicy, and being borne on long stems makes it easy to pick; currant.....	.10

RASPBERRIES.

Plant in rows 5 feet apart and 3 feet apart in the row. Dozen

Columbian. A grand berry for the table and canning; purple-red; enormous berries60
CUMBERLAND. A new black raspberry that makes large crops of enormous berries—the largest of all blackcaps. Fruit ripens a little earlier than Gregg, is very black, firm and may be shipped long distances.....	.75
Cuthbert. Berries large, dark crimson, and good flavor.....	.50
Gregg. Popular market sort, of fine flavor.....	.50
Marlboro. The largest of the early red raspberries, and best home sort.....	.50
Palmer. Very early and good fruit, productive, high quality.....	.50
Shaffer's Colossal. Berries purplish color, rich flavor, very distinct....	.50
Souhegan, or Tyler. Very early and wonderfully productive.....	.50

BLACKBERRIES.

Set the plants out in rows 6 feet apart, and 4 feet apart in the row.

New Iceberg. A novelty in fruits. The berries are as large, early and abundant as the black ones, and the quality is delicious. This is a genuine and really valuable introduction and will be a novelty for years to come. Each, 15c; 3 for 40c; 12 for \$1.50, postpaid.	Dozen
Dewberry, Lucretia. (<i>Creeping Blackberry.</i>) Superb quality, a fine fruit.....	.75

Erie. Fine, large berries, canes very hardy, a grand variety.....	.75
Early Harvest. The earliest of all.	.75
Kittatinny. Berries large and delicious in flavor.....	.75
RATHBUN. We can offer this fine, new fruit with utmost confidence. Though new, it has been tried in many sections and the verdict is satisfactory from every source. Fruit is enormous—45 berries have filled a quart box—is sweet, firm, with very little core. Plants grow strong and erect, drooping over and propagating themselves like a blackcap Raspberry. Each, 15c; 3 for 40c; 12 for \$1.50, postpaid.	

The Logan Berry. A hybrid of the raspberry and blackberry. The fruit is bright red, in form like large blackberries, combining the flavor of both raspberry and blackberry; pleasant and vinous, not only excellent for dessert, but good for canning, jellies, etc. Seeds few and small, strong grower, no thorns, but the canes have soft spines like the raspberry, with similar foliage. Each 10c; doz., \$1.00, by mail, postpaid.	
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TOOLS AND IMPLEMENTS.

The Genuine Matthews Seed Drills, Single and Combined; Hand Cultivators and Wheel Hoes.

The Best Line of Implements for Planting and Cultivating Vegetable Crops to be found in America.

 We deliver to any Depot or Express Office in Chicago at prices given here.

Matthews New Universal Drill.

THE STANDARD DRILL OF AMERICA.

Complete Catalogue of
Matthews Hand
.....GARDEN TOOLS.....
Free on Application.

It works on the agitator principle, which is certain in its action, and much preferable to any other method in dropping the seed, and besides there is nothing liable to get out of order or bind in the operation.

It opens the furrow, drops and covers the seed, rolls down the earth over it and marks the next row, all by simply pushing the drill forward. It sows with evenness and rapidity Peas, Beans, Broom Corn, Onion, Beet, Carrot, Parsnip, Sage, &c.



It is provided with an indicator having the names of different seeds thereon. Before planting turn the indicator around until the name of the seed to be sown comes to the pin at the top. The index is right under your eye while the hopper is easily watched. The flow of seed can be instantly shut off by means of the attachment shown on the handle.

Beware of cheap imitations of this Drill. None genuine but those having the Patent Indicator.

Price, boxed, \$6.25.

MATTHEWS GARDEN GEM DRILL.

This machine operates almost identically the same as the regular Matthews Garden Drill, but is smaller pattern. It will sow with equal accuracy most seed as perfectly as the most expensive drill, but is not large enough for the coarser seed like beans, peas and corn. It is just the thing for people with a small garden where fine seeds such as turnips, onions, carrots, etc., only, are planted. It will make the furrow, drop and cover the seed and mark the next row as perfectly as any machine. It is low priced, works like a charm and does its work thoroughly and well. This drill does not have the new seed cut-off.

Price, boxed, \$4.75.

MATTHEWS "HILL AND DRILL" SEEDER.

The implement is the same in style and working qualities as the Garden Drill just described, but it is arranged so as to drop the seed either continuously in drill, or at distances of 4, 6, 8, 12, 16, 24 and 48 inches apart. The adjustment from drills to hills is made by one screw. The distance apart is regulated by the number of cogs on the Driving Wheel against which the agitator strikes. The seed cannot drop except when the hole in bottom of Seed Box is opened. This saves seed, as no more can be dropped at a time than is desired, no matter what the distance may be. If this implement is wanted, be sure and order the "Hill and Drill Seeder," as the regular garden drill cannot be fitted with the attachments. Price, boxed \$7.00.

MATTHEWS COMBINED DRILL, CULTIVATOR, PLOW, RAKE AND DOUBLE WHEEL HOE.

Six Machines in One.

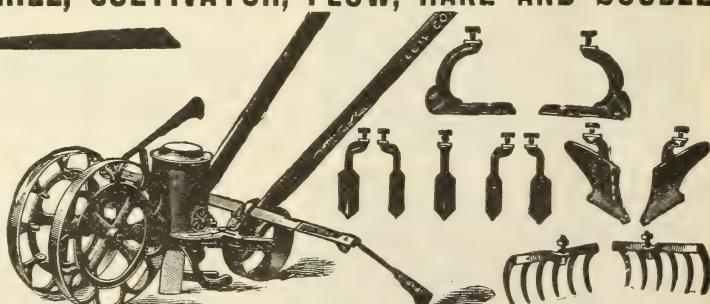
PRICE, BOXED,
only \$8.00.

This illustration shows the Combination Implement as a Double Wheel Seeder—also the attachments. It is not only a desirable combination of the Garden Drill already described, with the New Universal Cultivating Attachments, but it has the advantage of being either a Double Wheel or Single Wheel implement at will, the change from the one to the other being readily made.

The two wheels are desirable, however, when used as a cultivator or wheel hoe, as in this way the rows of young plants may be straddled, and the cultivating done on both sides of the row at one passing. An especial feature of this implement is that when used in straddle row cultivation there is no projection below the frame to interfere with plants. The seeding and covering attachments can be readily removed when the implement is used for cultivating. It is not necessary to remove the seed box, but it can be taken off if desired, and the frame left without any unnecessary encumbrance. There are three adjustments for regulating depth when used as a Cultivator and five when used as a Seeder.

The combination is one which cannot fail of recommending itself to all. The attachments are: 1 pair Hoes, 5 Cultivator teeth, 1 pair Rakes, and 1 pair Plows.

Remember, this is the only Combination Implement made that can be used either as a Seeder or as a Cultivator, with One or Two Wheels as desired. It is a perfect combination.



New Universal EXPANSION Wheel Hoe, Cultivator,

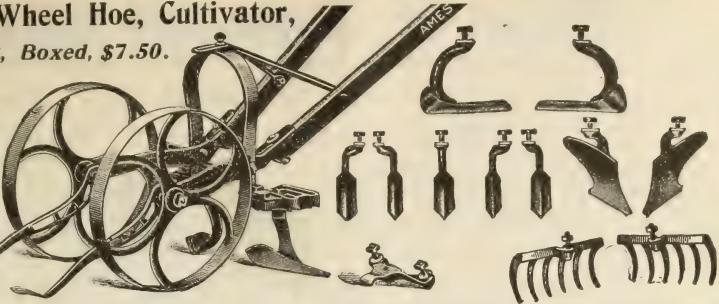
Rake and Plow. *PRICE, Boxed, \$7.50.*

HIGH ARCH.

A Double or Single Wheel implement at will.

In this new implement the wheels are 12 inches in diameter and the adjustable arch is high enough to cultivate over plants 20 inches or more in height. The Adjustable Arch also affords means for regulating depth and for setting pitch. This implement can be used either by a man or a boy.

The attachments are: 1 pair long bladed hoes, 1 pair short bladed hoes, 1 pair narrow cultivators, 1 pair wide cultivators, 1 center cultivator, 1 pair plows, 1 pair rakes, 1 pair vine guards, 1 center tooth holder.



New Universal Single Wheel Hoe, Cultivator, Rake and Plow.

Price, boxed, with all attachments, \$4.25.

This is an improvement over other tools of this type. It can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side so as to bring the row of young plants under the center of frame. The adjustment for graduating the depth of cultivation is unique and readily accomplished. The attachments are: 1 pair hoes, 5 cultivator teeth, 1 pair plows, 1 pair rakes, and 1 vine or leafguard.



New Universal No. 2 Single Wheel Hoe, Cultivator and Plow.

This implement is the same as the regular Single Wheel Hoe, except that the attachments are 1 pair hoes, 3 cultivator teeth, 1 large plow. Price, \$3.75. If this machine is wanted, be sure to mention No. 2.

New Universal Double Wheel Hoe, Cultivator, Rake and Plow.

Price, boxed, \$5.00.

Specially designed for working both sides of the row at one passing. This new hand implement embraces all the good points of older efforts in the same line, and in addition offers new features which cannot fail of appreciation. The special recommendation is the *Adjustable Arch*, by which not only the *depth* of work can be gauged, but which, by an ingenious device, enables the teeth to be pitched at any angle desired. The attachments are: 1 pair hoes, 4 cultivator teeth, 1 pair plows, 1 pair rakes, and 1 pair vine guards.

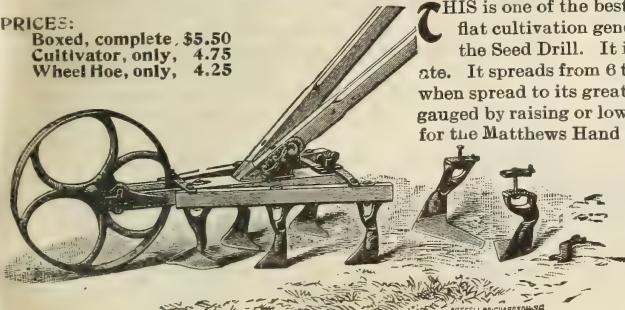
New Universal Double Wheel Hoe.

WITH ONE PAIR OF HOES ONLY. The same machine as the New Universal Double Wheel Hoe, rakes, plows, cultivator teeth and leaf guards omitted. Price, boxed, \$3.25.

MATTHEWS HAND CULTIVATOR AND WHEEL HOE.

PRICES:

Boxed, complete, \$5.50
Cultivator, only, 4.75
Wheel Hoe, only, 4.25



THIS is one of the best implements in use for weeding between row crops, and flat cultivation generally, and is an indispensable companion implement to the Seed Drill. It is thoroughly constructed, very durable, and easy to operate. It spreads from 6 to 14 inches, and will cut all the ground covered, even when spread to its greatest extent. The depth of cultivation may be accurately gauged by raising or lowering the wheel, which is quickly done. We can furnish for the Matthews Hand Cultivator, if desired, a pair of superior style hoes, with long steel blades, for use in exchange with the cultivator teeth, which are easily and quickly adjusted, or we can furnish implement with hoe blades, and without cultivator teeth, if desired.

New Universal Hand Wheel Plow.

THIS little labor-saving implement is one that commends itself to all gardeners. It can be used to prepare the ground, to furrow out, to cover and to cultivate. The mould-board is of steel, polished and tempered. Price, boxed, \$2.00.

New Universal Harrow Cultivator,

WITH 14 TEETH.

For close working among small plants where it is not desired to throw the dirt but simply to loosen and pulverize it. The teeth are adjustable, either side up, both straight and slanting, thus combining several implements. Price, \$7.25 f. o. b. cars, Chicago.

New Universal "Excel" Horse Hoe and Cultivator.

This last addition to these famous Tools we can recommend as strictly first-class in every way and the equal of any implement in the market. Price, \$8.00.



Complete Catalogue of
Matthews
...GARDEN TOOLS...
Free on Application.

Planet Jr. Farm and Garden Tools.

We pay the freight on "Planet Jr." Tools, to any Station
 & & & east of the Rocky Mountains. & & &

Planet Jr. Seed Drill No. 3.

THIS SEEDER will sow perfectly either in a continuous row, or drop the seed in hills 4, 6, 8, 12, or 24 inches apart.

Saves its cost over and over in seed alone. Will sow at any depth.

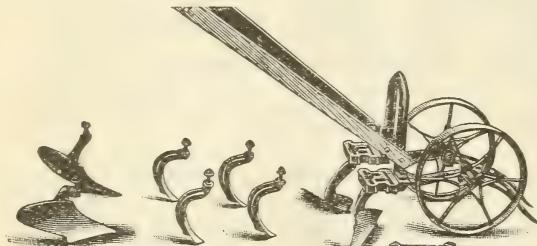
The hopper holds 2½ quarts. Sows equally well whether the hopper is full or contains but a small quantity of seed. Price, \$10.00.

Planet Jr. Combined Drill and Double Wheel Hoe No. 25.

This is a new machine intended for those who have a large acreage to cultivate. As a Drill it is almost identical with No 3, and as a Wheel Hoe is the same as No. 12. The change from Drill to Double Wheel Hoe takes but a moment. Hopper holds 2½ quarts or about 5 lbs. of onion seed. Price, \$13.00.

Combined Drill, Seeder, Wheel Hoe, Cultivator, Rake, and Plow No. 1.

Does the same work as the No. 2 Drill, with the added advantage of being a first-class wheel hoe, cultivator, and garden rake. It is without an equal in variety of tools, strength, lightness, and ease of adjustment. Price, \$9.50.



Planet Jr. Double Wheel Hoe, Cultivator, Rake, and Plow No. 12.

The amount of work which can be done with this machine is almost incredible. The machine has an unusually large equipment—seven pairs of tools in all. Price, \$6.50.

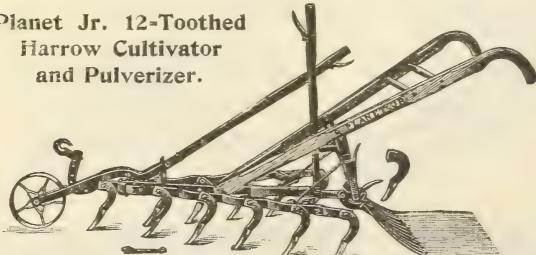
Planet Jr. Double Wheel Hoe, Cultivator, Rake, and Plow No. 11.

Adapted to almost every kind of work, especially for market garden crops. Price, complete, \$8.50.

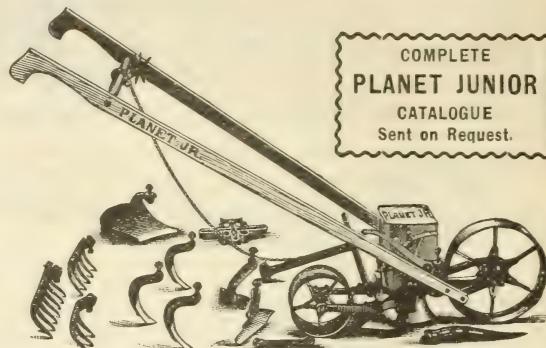
Planet Jr. Double Wheel Hoe—Plain.

This is the same as the complete machine, except that it is furnished with a pair of hoes only. Price, \$4.50.

Planet Jr. 12-Toothed Harrow Cultivator and Pulverizer.

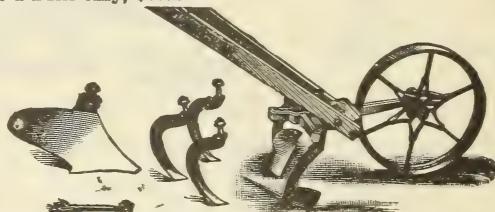


For thorough, fine work, without throwing earth on small plants, much valued by market gardeners. Price, plain, \$5.00; complete, \$7.50.



Hill and Drill Seeder and Cultivator Combined No. 4.

Sows and drops the same as No. 3. It is simple, durable, and very light running; thrown out of gear instantly and the flow of seed cut off, by simply raising the handles. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes one of the most admirable Single Wheel Hoes of the "Planet Jr." family. Price, \$11.00; as a Drill only, \$8.00.



Planet Jr. Single Wheel Hoe, Cultivator Rake, and Plow No. 16.

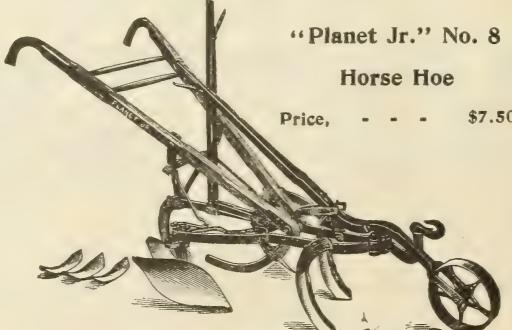
This single-wheel hoe is preferred by some. They are considerably lighter than the double, but do nearly the same variety of work. This machine has hoes, cultivators, rakes, and plow, and is capable of a great variety of combinations. Price, \$5.50.

Planet Jr. Single Wheel Hoe No. 17.

This machine is much the same as No. 16, with the exception that the rakes are omitted. Price, \$4.75.

Planet Jr. Single Wheel Hoe No. 18.

This tool has the same frame and handles as No. 16, but has one pair of 6-inch hoes only—the tools that are most constantly used during the season. Price, \$3.25.



"Planet Jr." No. 8

Horse Hoe

Price, - - - \$7.50

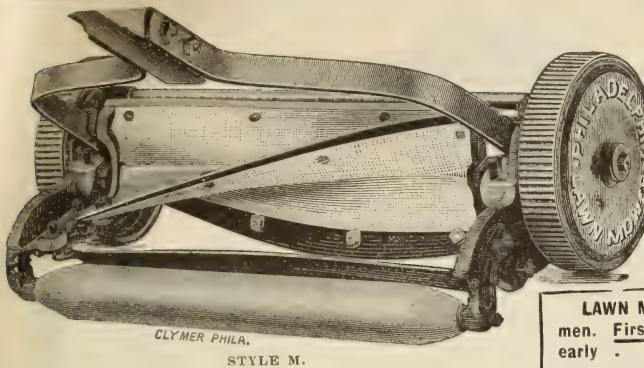
With all attachments, expanding lever; thoroughly first-class in every particular. Price, \$7.50

COMPLETE
PLANET JUNIOR
 CATALOGUE
 Sent on Request.

The Genuine
Philadelphia

LAWN MOWERS.

Full descriptive circulars mailed on application....



CLYMER PHILA.
STYLE M.

HAND MOWING MACHINES.

STYLE A. Width of cut, 15, 17, 19 and 21 inches. Four blades (all steel.) Height of driving wheel, 10 inches. Will cut high grass. The simplest of its kind.

STYLE E. Width of cut, 15, 17, 19 and 21 inches. Has high ten-inch driving wheel, four blades, cylinder 6½ inches. Unlike all other Mowers, the driving wheel and cylinder can be removed, leaving a solid frame.

STYLE K. Width of cut, 14, 16, 18 and 20 inches. This Mower is made on correct principles with a single Pinion and Five blades. It does the finest kind of work and is the lightest running Mower made. For a first-class Mower it has no equal.

STYLE T. Width of cut, 14, 16, 18 and 20 inches. Four blades, open wiper, with wrought iron riveted cylinder. The blades are BOLTED TO CYLINDER. They can be replaced at small cost; In repairing, saves the expense of a complete cylinder. It combines all the improvements of the Philadelphia, running light and doing fine work.

STYLE M. Width of cut, 10, 12, 14, 16, 18 and 20 inches. This mower is for general purposes, very popular, and adapted for rough, uneven grounds, as well as the finest to smooth lawns. This machine does excellent work, is easy to run and durable.

STYLE C. Width of cut, 15, 16, 18 and 20 inches. This style has been manufactured to fill the demand for a medium high lawn mower that has merit. It has all improvements with a four-blade open cylinder and 8½ inch drive wheel. It runs lightly, does fine work and is a valuable addition to the list.

Special Prices for 1902.

10 in. Style M.....	\$ 4.25
12 " " M.....	4.75
14 " " T or C.....	5.50
16 " " T or C.....	6.00
18 " " T or C.....	6.50
20 " " T or C.....	7.25
15 " " L.....	7.50
17 " " L.....	8.50
14 " " K.....	5.75
16 " " K.....	6.25
18 " " K.....	7.00
20 " " K.....	7.50
15 " " A.....	9.50
17 " " A.....	10.50
19 " " A.....	11.50
21 " " A.....	12.50
25 " Pony.....	35.00
30 " Horse.....	75.00

MUCH good money is annually wasted in buying cheap and worthless Lawn Mowers. This can be avoided by purchasing a well-made machine, and if costing a little more at the beginning, it will save many times the difference in cost in a short time, and give endless pleasure. The PHILADELPHIA LAWN MOWERS have long ago established their reputation as the BEST. They are constructed on the most thorough mechanical principles, and on account of their simplicity and superior construction are more durable and less liable to get out of order, and will do better work than any other lawn mower made.

LAWN MOWERS SHARPENED AND REPAIRED by skilled workmen. First-class work guaranteed. Please send in your machine early EXTRA PARTS KEPT IN STOCK.

GENUINE PHILADELPHIA HORSE MOWING MACHINES.

These machines are intended for parks and large open grounds, and are constructed in a most thorough manner. They are designed to be what they have already proved themselves to be—THE BEST HORSE LAWN MOWER FOR PARKS OR LARGE LAWNS EVER MADE. They will be found on government grounds, public grounds and fine parks in all parts of the country. Made in two patterns, open or closed cylinder.

PONY. Width of cut, 25 inches. Light in weight and draft. Strong and durable. Will do efficient work on a lawn where there is much shrubbery and trees.

HORSE. Width of cut, 30 inches. Suitable for a light horse. Weight, 313 lbs.

HORSE—I. X. L. PATTERN. Width of cut, 30, 35 and 40 inches. This machine is intended for parks and very large lawns. It is constructed in the most thorough and substantial manner and never fails to give satisfaction.

HORSE BOOTS

IMPROVED
QUALITY.

\$9.00 per
set of 4



HORSE MOWER.

Genuine Philadelphia Golf Mower.

For the proper care of Golf Links it has been found necessary to build a machine having rapidly revolving blades, to insure a very close clip.

A Brief Description.

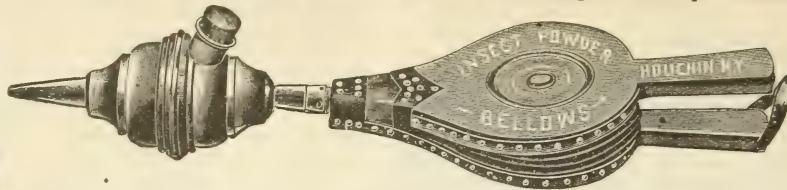
Eight blades; height of drawing wheel, 10 inches; diameter of cylinder, 7½ inches; train of three gears on one side of mower; either drawing wheel will work the mower. Various sizes. Send for special circular and prices.

GARDENING TOOLS AND SUNDRIES.

Prices Do Not Include Prepayment of Charges, Except Where Noted.



\$2.00



BELLOWS. For applying powdered insecticides, sulphur, or similar substances. Two sizes, 20 and 24 in., each 75c, and \$1.00.

DIBBER. For transplanting cabbage, etc. Very desirable. All iron, each, 25c; wood handle, iron point, each, 30c.

EARTHENWARE FLOWER POTS.

Price includes packing and delivery to Transportation Company in Chicago.

Standard Pots.

Inches.	Per dozen.	Per 100.
2	15c	\$.60
3	20c	1.00
4	35c	1.50
5	45c	2.50
6	60c	4.00

Larger sizes can be supplied on short notice.



75c.

GARDEN LINE REEL, each 50c. " " braided, 100 ft. 65c.

GRAFTING WAX, in bars, $\frac{1}{4}$ lb. 15c; $\frac{1}{2}$ lb. 25c; lb. 40c. By mail, 10c per lb. additional.

GLASS CUTTERS, Common, each 10c postpaid. Diamond, with guide wheel, \$3.50.

GRASS CATCHER, or **Lawn Mower's Partner.** When attached to the Lawn Mower, the grass is collected so it can be removed from the lawn. Adjustable to any size of machine. Each, \$1.25 and \$1.50.

GRASS HOOKS, or **Sickles. Imported English.** They are strong, with riveted back. Extra quality, will hold an edge, each 50c and 60c. **Common Sickles, (American)** each, 25c.

GRASS SHEARS, Common, each, 60c.

Imported, the best, strong, each, \$1.25.

HOES, Welded Dutch Scuffle. This hoe will outwear a dozen of the ordinary kind. 6-inch, 60c; 7-inch, 65c; 8-inch.

HOSE, Rubber.

We carry a special brand of guaranteed quality $\frac{3}{4}$ -inch, 3-ply hose, in lengths of 50 ft. **No less quantity supplied.** Price, per 50 ft., with necessary couplings, \$7.50.

HOSE MENDERS. For $\frac{3}{4}$ -inch hose. Made of wood. 1 doz. 50c. By mail, 60c.

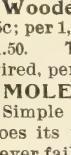
INSECT DESTROYERS, see page 104.

LABELS.

Wooden Labels, painted, 4-in., per 100, 15c; per 1,000, 75c; 6-inch, per 100, 25c; per 1,000, \$1.50. **TREE LABELS,** notched and brass-wired, per 100, 20c; per 1,000, \$1.00.

MOLE TRAP, Olmsted's Improved.

Simple in construction, safe to handle. It does its work effectually and with certainty, never failing to capture the mole, if trap is properly placed. Each, \$1.50.



75c.

SPRINKLER, Scollay's Rubber.

For sprinkling plants, washing their foliage, moistening cut flowers, or dampening clothes. This is an indispensable article. In three sizes, each, 60c, 75c, and \$1.00. Sent postpaid for 65c, 80c. or \$1.10, according to size.

KNIVES, Pruning, English, each, \$1.50.

Pruning, American, each, \$75.

Budding, Best English, \$1.50.

Propagating, English, each, \$1.50.

Asparagus, saw-toothed blade, \$1.00.

MASTICA. For glazing hotbed sashes and greenhouses. Per gal. \$1.25.

Machine for applying same, each, \$1.25.

POWDER GUN, See page 103.

PROTECTING CLOTH.

An excellent substitute for glass, and for many purposes equally as advantageous. Forwards, and protects young plants from frost. Muslin, tarred, and waterproof.

We quote price by single yard for small quantities, and by the yard in piece. Each piece contains from 40 to 60 yards.

Heavy, yard, 12c; by piece, yard, 10c.

Medium, " 8c; " " " 7c.

Light, " 5c; " " " 4c.

RAKES.

LAWN RAKE, Gibbs. This has thirty copper steel wire teeth. The head has a guard to prevent grass from falling over back. A good tool at a low price. Each, 50c.

Steel Garden, each, 50c.

Steel Gravel, each, 35c.

Finley Rotary Lawn Rake.

A thoroughly durable and reliable machine, to follow the lawn mower. It takes up all the grass, either long or short; twigs, leaves, and small loose litter of any kind, stones included, that a hand rake would not touch. A man can rake three times as fast as with a hand rake. A child can run it. Price, \$12.00.

ROFFEA. The best material for tying plants, vines, etc. Lb. 25c, 40c postpaid.

PRUNING SAW "PERFECTION."

Made of best steel, with adjustable blade, so any branch can be easily removed and close to the trunk of the tree. Can be used as a hand saw, or fastened to any size pole. The best saw on the market. Each, \$1.75.

Double Edged Pruning, a reliable tool, made by a saw specialist; 18 in., each 75c.

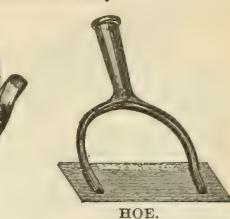
SCYTHES, English. The best made. No trouble to keep these sharp. Strongly made and serviceable. Two sizes. 36-inch, each \$1.25; 38-inch, each, \$1.50.

SCYTHE SNATHES, each, 75c.

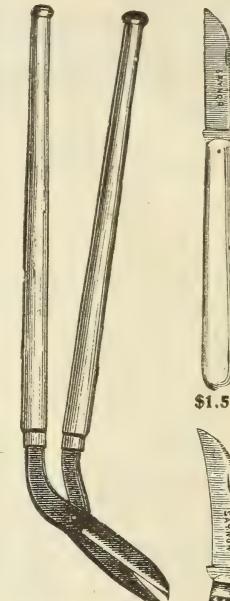
SCYTHE STONES, Imported, each, 15c. **Common,** good quality, each, 5c.

SHEARS.

Border or Grass, 9-inch blade, each, \$2.00. 9-in. blade, with wheel attached, each, \$2.50.

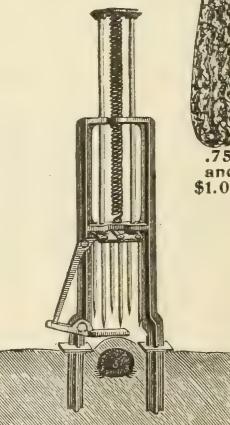


HOE.

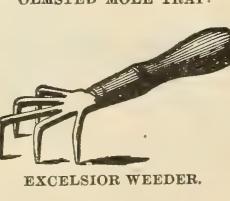


\$1.50

BORDER SHEARS.



.75 and \$1.00



EXCELSIOR WEEDER.

LAWN SPRINKLERS.

Philadelphia. Unlike all other sprinklers, this does its work perfectly, without a revolving motion, making it very durable. Each, 75c.

Iron Lawn Rollers.

Made in one or more sections. These have weights within, which makes the handle stand upright.

Sec.	Diameter.	Weight.	Price.
1	20 in.	190 lbs.	\$ 7 00
2	15 in.	125 lbs.	5 75
2	20 in.	300 lbs.	12 25
2	24 in.	400 lbs.	15 75
2		550 lbs.	21 00

BRASS SPRINGS.

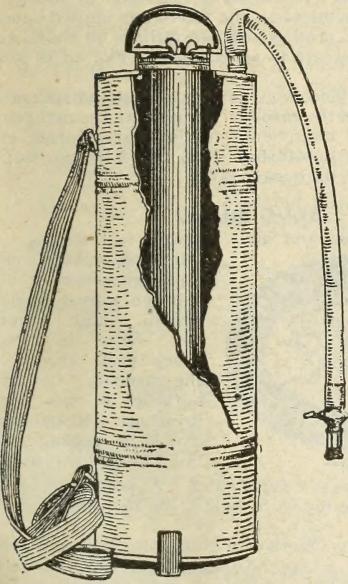
For syringing plants in greenhouses or conservatories. We carry various sizes. Prices, \$2.50 up to \$6.00 each.

THERMOMETERS.

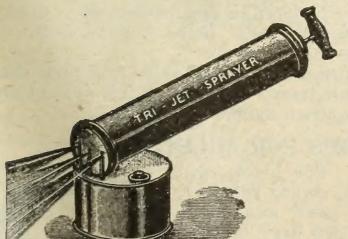
These we do not send by mail.

Tin Case. Japanned, 8-inch, each, 15c.

Self-Registering. With magnet, 8-inch, each, \$2.25.

SPRAYERS AND DRY INSECTICIDE DISTRIBUTORS.

Auto-Spray.



TRI-JET SPRAYER.

Just the thing for small garden or yard, where only a few plants are to spray. It throws the mist over a large surface.

Price, Galvanized Reservoir, 75c.

TREE PRUNER, Waters'.

An excellent tool. Cuts limbs up to $\frac{3}{4}$ -inch in diameter. With 4-ft. handle, 50c, 6-ft. 70c, 8-ft. 90c, 10-ft. \$1.00, 12-ft. \$1.10. Extra blades supplied at 20c each.

TROWELS.

Garden, Common. Curved, steel blade, 6-in. each, 20c.

Imported English. Curved steel blade, welded handle, 6-in. 25c, 7-in. 30c, 8-in. 50c.

Forged Steel. Very stout and strong. Blade and shank made from one piece of steel, 6-in. 40c, 7-in. 50c, 8-in. 60c.

TWINE. Jute, for tying vines, bunching asparagus, etc. Lb. 10c, 10 lbs. 90c.

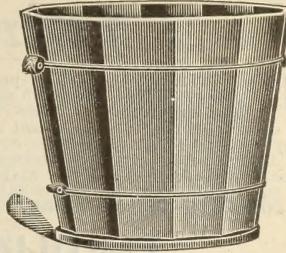
TURF EDGERS. They have sharp, rounded blades, and are used for trimming edges of borders, walks, etc. **Common**, 35c, **imported**, \$1.00.

WEEDERS.

Hazeltine. Solid steel blade. An excellent tool for quick weeding and thinning out. Each, 20c, by mail, 25c.

Excelsior. A five-fingered tool, handy to weed flower beds, stir soil, etc., each, 15c.

Weeding Fork. Imported. A miniature fork with broad tines, each, 15c, by mail, 20c.

**COLUMBIA PLANT TUBS.**

The Kind That Never Falls Apart.

THESE tubs are made of cypress. Each tub consists of twelve tapered staves, held together by two steel wires, connected by neat handles at each side. By turning the nut within the handles the staves can be loosened or tightened at will.

We supply the tubs in five sizes, natural varnish finish on the wood, 12-inch diameter, each, \$1.00, 15-inch, \$1.50, 18-inch, \$2.00, 21-inch, \$2.50, 24-inch, \$3.00.

THE AUTO-SPRAY.

THIS machine, in addition to its general purpose of spraying insecticides, is useful for various household and farm purposes.

"The Auto-Spray" is light. (Empty, 7 lbs.; loaded, 39 lbs.) It is easy to operate, and is carried by a shoulder-strap. Capacity about 4 gallons.

Eight to ten strokes of plunger in air chamber will compress enough air to discharge the entire contents, and make a continuous spray for nine minutes. It will work uninterruptedly long enough to spray a quarter-acre of potatoes.

PRICE.

Galvanized reservoir, - \$4.50
Solid brass reservoir, - 6 00

Compressed Air FOUNTAIN SPRAYER.

It is made of galvanized iron; thoroughly riveted. Will stand high pressure. One filling will spray 4,000 hills of potatoes.

To spray potatoes take the machine by the handle. Walk along the row to be sprayed, and at each hill press the thumb valve, letting out a fine spray.

By attaching a four-foot length of hose you can easily spray into the tops of fruit trees.

PRICE.

Fountain Sprayer - \$5.00
Fruit tree attachment - 50

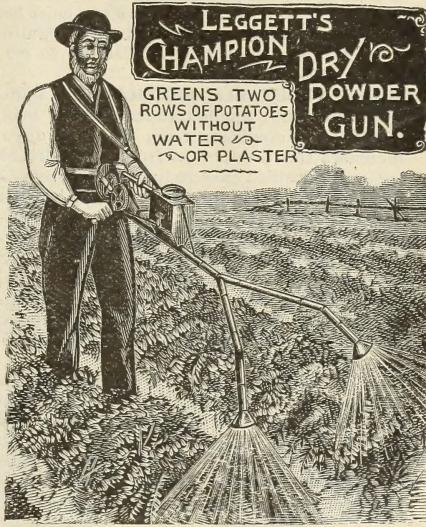
Descriptive circulars of

Sprayers,**Powder Guns,**

and

Dry Insecticides

Sent on application.



Distributes Paris Green, Hellebore, Sulphur, Bordeaux Mixture, and Bordeaux Mixture and Paris Green Compound, or any DRY POWDER insecticide.

PRICE : \$7.50
complete with all attachments

The Champion Powder Gun does efficient work on Potatoes, Cabbage, Tomatoes, etc., in fact, all garden and field crops. The gun will cover one or two rows as rapidly as a man walks. By the use of extension tubes the gun can be used on fruit trees.

Dry Bordeaux Mixture and Paris Green Compound defends plants against flea beetles, kills bugs. 1 lb., 20c, 3 lb. box, 55c, 35 lb. bucket, \$6.25. Not prepaid.

Dry Bordeaux Mixture. It sticks well to foliage, and will not burn the vines. 1 lb., 15c, 5 lb. box, 70c, 50 lb. keg, \$6.00.

Fertilizers, Insect, and Fungus Remedies.

THE INTELLIGENT and prosperous farmer of the present day is certain to be one who fully believes in and practices that excellent motto: "Feed the soil and the soil will feed you." Crops can not live and thrive on air and water alone. Their roots penetrate the earth and absorb therefrom the Nitrogen, Phosphoric Acid, Potash, or other elements of plant food they require. In some form these must be replaced, otherwise the land would eventually revert to that deplorable condition usually described as "worn out."

Chicago has long been recognized as headquarters for commercial fertilizers. The great slaughter houses at the stock yards furnish the raw material for manufacture. The Bone Meal obtained from this source, is immensely superior to that made from dry bones gathered upon the western plains. We invite correspondence from everyone interested in CONCENTRATED MANURES. We can save you money. We sell by sack, ton, or car load. Special quotations on large lots.

FERTILIZERS.

BONE MEAL. Guaranteed pure bone. It is ground fine and is an excellent top dressing for lawns, grass lands, farm and field crops; also for mixing with potting soil. 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 70c; 50 lbs. \$1.25; 100 lbs. \$2.00; bag of 200 lbs. \$3.50.

Crushed Bone. Coarse ground. Used around fruit trees, grape vine borders, and in the poultry yard. 50 lbs. \$1.75; 100 lbs. \$3.00.

BONE AND BLOOD. Just the thing where a high nitrogenous fertilizer is required. Its effects are prolonged and lasting. Recommended for Cabbage, Cauliflower, Corn, Grain, in fact all kinds of vegetation. For seed beds and garden plots apply broadcast at the rate of one or two tons per acre. When used in rows or in hills, one to two hundred pounds per acre will be sufficient. 100 lbs. \$1.50; per ton \$24.00.

FARMERS' FAVORITE BRAND. Benefits all field crops, promotes maturity, and affords nourishment the entire growing season. It is used with the most beneficial results by Market Gardeners on Cabbage, Cauliflower, Celery, Peas, Radish, Spinach, etc. Use 200 to 300 lbs. per acre. 100 lbs. \$2.00; 200 lbs. \$3.50.

GARDEN VEGETABLE FERTILIZER. The effect of this fertilizer when applied to vegetables brings them into marketable condition from 10 to 14 days earlier, and increases the production from one-third to one-half. It is clean, odorless, easy to handle, and reasonable in price. An excellent stimulant for Potatoes. 50 lbs. \$1.50; 100 lbs. \$2.25; 200 lbs. \$4.00.

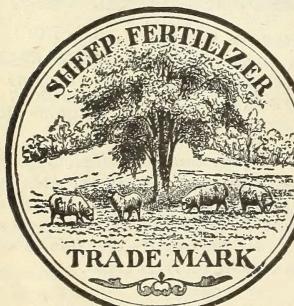
Land Plaster. Excellent for composting, or mixing with guano. Bbl. (about 350 lbs.) \$2.25; 5 bbls., for \$10.00. Write for special price on large quantity.

LAWN FERTILIZER. Fine, dry, non-odorous. It may be applied any time during spring, summer, or autumn, as the grass needs nourishment. 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

NITRATE OF SODA. A quick acting fertilizer for all crops hastening maturity greatly. Should be applied broadcast and evenly. 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$3.50.

Peruvian Guano. Guaranteed pure. A standard fertilizer. 5 lbs. 40c; 10 lbs. 70c; 50 lbs. \$1.75; 100 lbs. \$5.00.

PULVERIZED SHEEP FERTILIZER. This is natural manure, dried, clean, and easy to handle. Highly recommended for all purposes for which a fertilizer is required. Its effect is immediate and lasting. For lawns, use at the rate of 500 lbs. per acre. For pot plants, mix one part sheep manure to six parts of soil. For use in the vegetable garden, spread over the surface, and dig in. Being soluble, it readily makes a safe liquid manure (one pound to five gallons of water per day can safely



be used). Small lots, 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 75c; 100 lbs. \$2.00; 300 lbs. \$5.00; not prepaid.

Florists' Plant Food. Used by florists to mix with soil in greenhouse benches, pots, etc. 5 lbs. 50c; 10 lbs. 75c; 25 lbs. \$1.25; 50 lbs. \$2.00; 100 lbs. \$4.00.

Bowker's Plant Food. A preparation especially designed for pot plants. Results obtained from its use are rapid and vigorous growth, and an abundance of flowers. Small pkg. 15c; by mail, postpaid, 20c. Full size box, 25c; by mail, 40c; postpaid.

INSECT DESTROYERS.

Liquid Insecticides are not admissible to the mails. Powders and soaps can be sent by mail, if 15c. per lb. be added to prices herein given.

Fir Tree Oil. Kills mealy bug, scale, black and green aphides, red spider, etc. Directions on bottle. Pint 75c; qt. \$1.25.

HELLEBORE, Powdered White. Destroys slugs, currant-worms, caterpillars, etc. Lb. 25c; 5 lbs. for \$1.00; not prepaid.

INSECT POWDER, Dalmatian or Persian. Destroys ants, fleas, and all noxious insects. 1/4 lb. 25c; 1/2 lb. 40c; 1 lb. 75c; not prepaid.

"ROSE LEAF" INSECTICIDE. A pure extract of tobacco used by diluting with water. Book of directions free. Pint 30c; quart 50c.

Nicotine. A Liquid Insecticide. One of the most powerful and satisfactory in use. It is much more preferable than the crude tobacco extracts usually sold. Pint, \$1.50.

Nicotine Aphis Punk. A special preparation of nicotine, wood pulp, and chemicals. The rolls when ignited vaporizes the nicotine, eradicating caterpillars on shade and fruit trees, and insects in greenhouses. Pkg. of 12 rolls, 60c; not prepaid.

PARIS GREEN. A poisonous powder almost indispensable on the farm and in the garden. It prevents the ravages of potato and other bugs, slugs, caterpillars, worms, etc. Used either dry or in solution. 1 lb. 25c; 2 lb. can 45c; 14 lb. bucket \$3.00; 28 lb. bucket \$5.50.

SLUG-SHOT.

One of the cheapest and most popular insecticides. It kills potato bugs, currant, gooseberry, and cabbage worms, melon, squash, and cucumber bugs—in fact, every pest known to the gardener. Contains nothing in the least injurious. 5 lb. package, 30c; 10 lb. package, 50c; bbl. (225-260 lbs.), 4c lb.



Tobacco Dust. Cheaper than snuff. A sure remedy for green fly. 1 lb. 10c (by mail, 25c); 5 lbs. 25c; 100 lbs. \$2.00; not prepaid.

Tobacco Soap. Most effective in cleansing plants and trees infested with red spider, oleander bugs (scale), and rose slugs. Box, sufficient to make 5 gals. of wash, 25c; by mail, 35c.

Tobacco Stems. For fumigating greenhouses, etc. Good to mulch Rose and Lettuce beds. 10 lbs. 50c; bbl. \$1.00; bale of about 250 to 400 lbs. 1c per lb.

Whale Oil Soap. Pure, fresh. Kills insects and their eggs; good wash for fruit trees. 2 lbs. 25c; 5 lbs. 50c; not prepaid. Postage required, 15c per lb.

REMEDIES FOR MILDEW, ETC.

Bordeaux Mixture. For black rot, mildew of grapes, potato rot, leaf blight of cherry, pear, and other trees, etc. Supplied dry; 1b. 30c; not prepaid.

Grape Dust. Preparation for destroying mildew, mold, or rust either in greenhouse, or open air. 5 lb. package, 35c; not prepaid.

Powdered Sulphur. For destruction of mildew on roses, etc. Lb. 10c; 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.00; not prepaid.



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Sent to any address prepaid on receipt of price.

GIN addition to the older standard works named below, especial attention is called to the fresh and valuable books included in the GARDEN CRAFT and RURAL SCIENCE series. These practical handbooks are either written or edited by Prof. L. H. Bailey, of Cornell University.

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All are fully illustrated, bound in flexible cloth so they can be carried in the pocket for instant reference.

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Books which state the underlying principles of agriculture in plain language.

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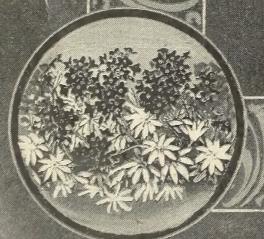
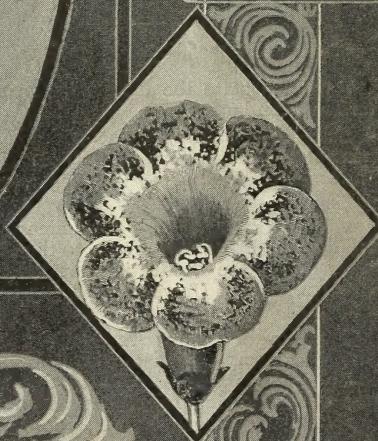
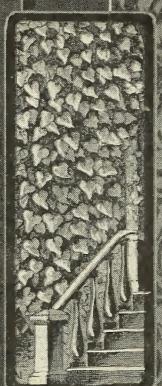
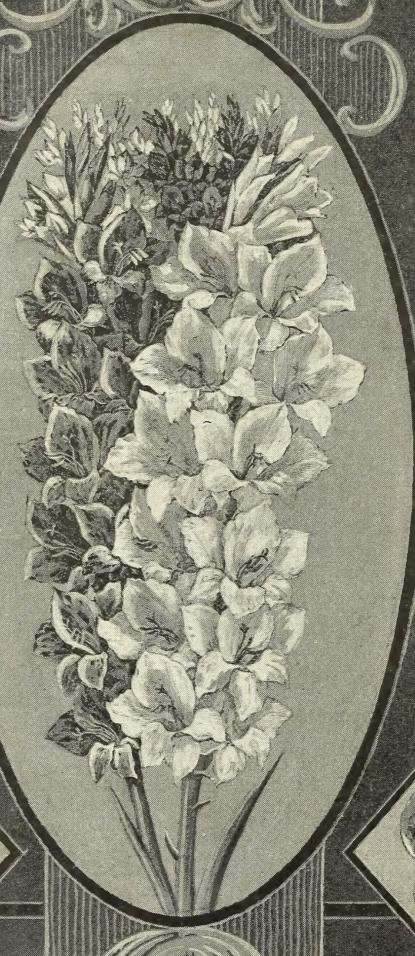
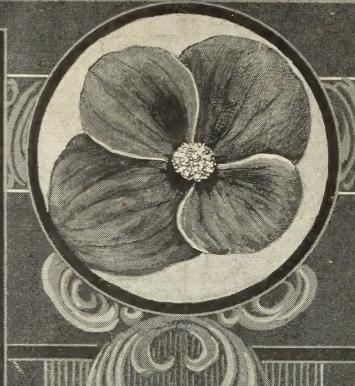
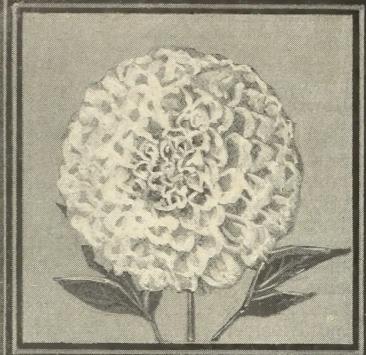
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THAT FLOWER THE FIRST SUMMER
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